VAPALO ALTO 640

3801 Miranda Avenue (04d) Palo Alto, CA 94304

SOMATOM DEFINITION FLASH



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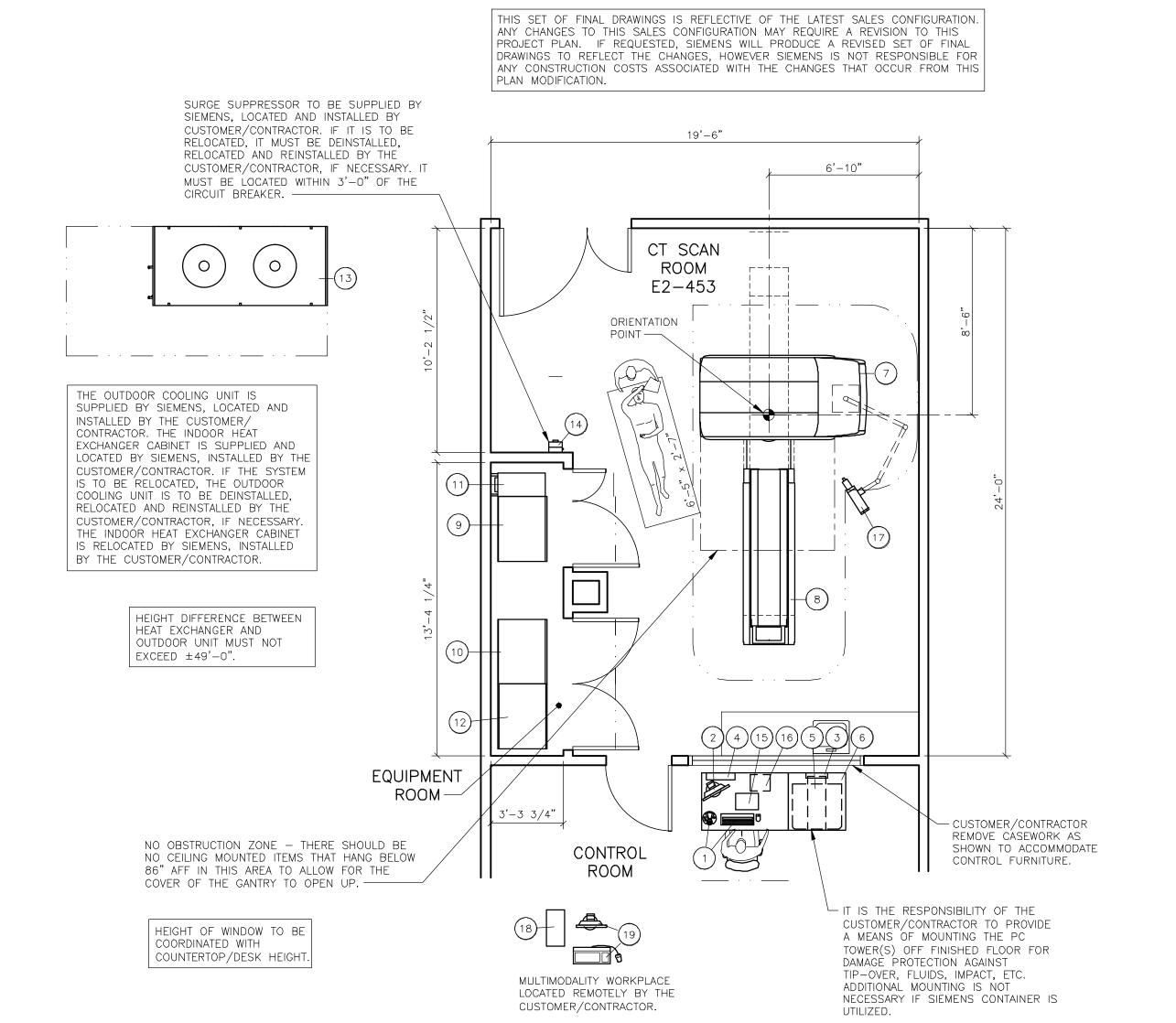
Planner Joel Dramis

Project #: 1101626

SIEMENS

SIEMENS MEDICAL SOLUTIONS

51 Valley Stream Parkway
Malvern, PA 19355
www.usa.siemens.com/medical



EQUIPMENT LEGEND DESCRIPTION SMS | WEIGHT | BTU/HR | DIMENSIONS (INCHES) REMARKS SYM (LBS) TO AIR 1) | CONTROL CONSOLE W/KEYBOARD AND CONTROL BOX 47 1/4 31 1/2 | 28 3/8 2) | 19" flat screen monitor ics 16 9/16 8 1/4 | 16 1/16 | ON CONSOLE/COUNTER (3) POWER CONNECTION TERMINAL - ICS WALL MOUNTED (4) | DVI SPLITTER - ICS 3 15/16 | 11 13/16 | MOUNTED ON THE ONSOLE/CONTAINER (5) SYNGO ACQUISITION WORKPLACE **(CS)** < 66 1,706 9 13/16 | 29 1/2 | 18 1/2 | OFF FLOOR/IN CONTAINER (MS) 6) | CONTAINER & CONTAINER TABLE FOR ICS/IES (OPTION) 31 1/2 | 28 3/8 | HOUSING FOR ICS/IES (B) 5,688 *ADDITIONAL HEAT DISSIPATED 7) | SOMATOM DEFINITION FLASH GANTRY 3,412* | 91 1/8 47 3/8 78 8 PATIENT TABLE (T) 1,103 | 1,024 | 29 1/2 | 95 11/16 | 33 7/16 (9) | POWER DISTRIBUTION CABINET "A" & UPS (DC) | 1,213 | 13,649** | 35 7/16 | 26 15/16 | 76 3/4 | UPS LOCATED INSIDE OF 10) | POWER DISTRIBUTION CABINET "B" ** | 35 7/16 | 26 15/16 | 76 3/4 | **PDCA & PDCB COMBINED | IMAGE RECONSTRUCTION SYSTEM - IRSMX2D **(**RS**)** 128 | 12 5/8 | 29 1/2 | 20 13/16 4,097 3,412 | 35 1/4 | 26 15/16 | 78 9/16 2) | HEAT EXCHANGER CABINET - WATER/AIR SPLIT (OPTION) 772 3) OUTDOOR UNIT - WATER/AIR SPLIT (OPTION) 129,662 | 95 1/2 43 1/4 | 40 3/16 **(SPR)** 13.5 [14] EATON SURGE PROTECTIVE DEVICE PANEL (OEM-OPTION) 7 1/2 | 6 11/16 | 12 WALL MOUNTED (15) | MEDRAD M2SCT222DF DISPLAY CONTROL UNIT HEIGHT WITH SCREEN UP (OEM-OPTION) (N2) 14 [16] | MEDRAD M2SCT222DF BASE UNIT (OEM-OPTION) 11 8 3/4 11 1/2 UNDER COUNTER ON SHELF 17**) |** CEILING MOUNTED MEDRAD INJECTOR (OEM-OPTION) (N3) 106 SEE MFG SPECIFICATIONS ---(MW) ¹⁸**) |** multimodality workplace computer (option) 55 19 3/4 10 | 23 5/8 | ON CUSTOMER'S COUNTER MULTIMODALITY WORKPLACE KEYBOARD AND MONITOR ON CUSTOMER'S COUNTER ____ (OPTION)

ENVIRONMENTAL/POWER AUDIT

AS AN INDICATION OF OUR COMMITMENT TO QUALITY, SIEMENS MAY, AT NO COST TO YOUR FACILITY, CHECK THE OPERATING ENVIRONMENT AFTER SYSTEM TURNOVER TO DETERMINE IF THE REQUIREMENTS FOR TEMPERATURE, HUMIDITY, POWER, AND GROUNDING ARE MET AS PER SIEMENS' PUBLISHED SPECIFICATIONS. SIEMENS WILL GENERATE A WRITTEN REPORT DETAILING THE ENVIRONMENTAL AND ELECTRICAL CONDITION OF THE SITE AFTER TURNOVER AND WILL SHARE THE REPORT WITH YOU. IN THE EVENT WE IDENTIFY ANY ENVIRONMENTAL/POWER DEFICIENCIES AT THE SITE, YOUR FACILITY WILL BE REQUESTED TO CORRECT DEFICIENCIES WITHIN THIRTY (30) DAYS. SHOULD ANY CORRECTIVE ACTIONS BE NECESSARY, AND UPON REQUEST SIEMENS WILL PROVIDE GUIDANCE IN AN EFFORT TO FACILITATE RESOLUTION. PLEASE BE ADVISED THAT AFTER 30 DAYS NOTICE ANY REPAIR OR MAINTENANCE SERVICES NECESSITATED BY SEVERE DEFICIENCIES WILL FALL OUTSIDE YOUR WARRANTY COVERAGE.

NOISE LEVEL				
SYSTEM COMPONENT	DECIBLE LEVEL (AT 3'-3" DISTANCE)			
GANTRY	<70			
PATIENT TABLE	<60			
PDCA CABINET	≤55			
PDCB CABINET	≤55			
IRSMX2D TOWER	≤55			
HEAT EXCHANGER — WATER/AIR SPLIT	<65			

ARCHITECTURAL NOTES

ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS

MEDICAL SOLUTIONS, INC. (SMS HEREAFTER) ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICEABILITY OF THE EQUIPMENT BEING PROPOSED. SMS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTEREST OF BOTH THE CUSTOMER AND SMS. ALL EQUIPMENT LAYOUTS ARE BASED THER ON AN ACTUAL SITE LOCATION SURVEY OR ARCHITECTURAL DRAWINGS SUPPLIED TO SMS, SMS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENCROACH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (IE. PIPE CHASES, VENTILATION DUCTS, CASEWORK, AND SOFFITS, ETC.) MADE BY HE CUSTOMER OR REQUIRED BY A CUSTOMER'S ARCHITECTURAL FIRM ONCE PRELIMINARY DRAWINGS HAVE BEEN SUBMITTED AND APPROVED. O NOT ALTER ANY SPECIFICATIONS AND/OR DIMENSIONS WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SMS PROJECT

SMS IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. DRAWINGS SUPPLIED BY SMS ARE NOT CONSTRUCTION DRAWINGS. THEREFORE, HESE DRAWINGS ARE TO BE USED ONLY FOR INFORMATION TO COMPLEMENT ACTUAL CONSTRUCTION DRAWINGS AVAILABLE FROM A USTOMER APPOINTED ARCHITECTURAL REPRESENTATIVE OR A USTOMER'S ENGINEERING DESIGN GROUP. SMS REQUIRES THAT ONCE HE FINAL CONSTRUCTION DRAWINGS HAVE BEEN PREPARED, THEY SHALI E MADE AVAILABLE TO SMS PROJECT MANAGER TO VERIFY THAT ALL SMS REQUIREMENTS HAVE BEEN ADHERED TO. THE CUSTOMER'S ARCHITECT AND GENERAL CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES AND PROFESSIONAL DESIGN REQUIREMENTS.

THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA REPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND

EQUIPMENT WARRANTIES, EXPRESSED OR IMPLIED ON THE PART OF IMS SHALL BE CONTINGENT UPON STRICT COMPLIANCE WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND RECOMMENDATIONS AND REQUIREMENTS CONTAINED IN THESE DRAWINGS, INLESS SPECIFIED OTHERWISE.

) ALL DIMENSIONS SHOWN ARE TAKEN FROM FINISHED SURFACES INLESS SPECIFIED OTHERWISE.

THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING EQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE USTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST. ACTUAL PROTECTION REQUIREMENTS SHALL BE PECIFIED BY A REGISTERED RADIATION PHYSICIST AT CUSTOMER'S ENGAGEMENT AND EXPENSE. RESPONSIBILITY FOR ALL INFORMATION AS O THE ROOM LOCATION, USE, AND NUMBER OF ANTICIPATED XAMINATIONS TO BE PERFORMED PER TIME PERIOD SHALL BE PROVIDED) THE PHYSICIST BY THE CUSTOMER, THE CUSTOMER SHALL FURTHER TAKE ALL RESPONSIBILITY IN THE COMMUNICATION AND COORDINATION OF CTIVITIES OF THE RADIATION PHYSICIST AND THE ARCHITECTURAL REPRESENTATIVE.

SMS SHALL BE RESPONSIBLE FOR SMS EQUIPMENT INSTALLATION AND CALIBRATION, CONNECTION AND INSTALLATION OF SMS PROVIDED CABLES, AND CONNECTION OF CONTRACTOR PROVIDED WIRES TO SMS QUIPMENT. IN THE EVENT THAT SPECIFIC TRADE RULES OR LICENSE EQUIREMENTS PROHIBIT THIS, THE CUSTOMER SHALL INITIATE THE SERVICES OF APPROVED OTHER CONTRACTORS AND PAY FOR SELECTED, APPROVED PARTIES TO PERFORM THIS WORK WITH JOB SUPERVISION T BE PROVIDED BY SMS. CALIBRATION WHEN ACCOMPLISHED OUTSIDE OF NORMAL INSTALLATION SEQUENCES DUE TO CONTRACTOR OR TRADE RULE ACTIONS OR REQUIREMENTS SHALL BE SUPPORTED BY, CHARGED TO, AND ACCEPTED BY THE CUSTOMER AS AN ADDITIONAL INSTALLATION

NSTALLATION DRAWINGS THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (IE: O.R. LIGHTS, MEDICAL GAS COLUMNS, PHYSIOLOGICAL MONITORING INJECTORS, CRT PLATFORMS, SPRINKLER HEADS, SMOKE DETECTORS, ELECTRICAL OUTLETS, HVAC GRILLES, SPEAKERS, AND GENERAL ROOM LIGHTING, ETC.). THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR LL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH NEEDS TO BE OR IS REQUIRED TO BE COMPLETED AFTER THE NSTALLATION OF THE SMS EQUIPMENT AND ANY ASSOCIATED SUPPORT

THE CUSTOMER SHALL VERIFY WITH SMS PROJECT MANAGER FINAL

ARCHITECTURAL EQUIPMENT PLAN

ROOM MEASUREMENTS

ALL ROOM MEASUREMENTS AND ROOM DETAIL SPECIFICATIONS MUST BE VERIFIED ON SITE PRIOR TO BEGINNING ANY CONSTRUCTION WORK.

TRANSPORT AND DELIVERY NOTES TOTAL GANTRY TRANSPORT WEIGHT: 6,295 LBS. GANTRY WITHOUT TRANSPORT DEVICE: 5,688 LBS. TRANSPORT DEVICE: NORMAL TRANSPORT REQUIREMENTS: NARROW SPACE TRANSPORT REQUIREMENTS: DURING THE MOVEMENT OF THE GANTRY THROUGH WHEN TRANSPORTING THE GANTRY THROUGH A NARROW CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT SPACE OR DOORWAY, THE TRANSPORT CASTERS ARE FOR STABILITY AS SHOWN BELOW. THE MAXIMUM WIDTH IS SWIVELED IN AS SHOWN BELOW. THE MAXIMUM WIDTH IS 5'-7 1/8" AND THE MAX. LENGTH IS 8'-7 9/16" WHEN $3'-11 \ 1/2"$ AND MAXIMUM LENGTH $10'-8 \ 3/8"$. CASTERS ARE SWIVELED OUT. 3'-11 1/2"

PLANNING REQUIREMENTS

SCALE: 1/4" = 1'-0

EMERGENCY POWER OFF (EPO) BUTTONS REQUIRED IN CONTROL AREA. EXAMINATION ROOM AND EQUIPMENT AREA.

DOOR (SAFETY) SWITCH REQUIRED ON ALL DOORS ACCESSING THE EXAMINATION ROOM IN ACCORDANCE WITH LOCAL CODES.

STATE AGENCY REVIEW

PRIOR TO SIEMENS EQUIPMENT INSTALLATION, APPROVAL OF CONSTRUCTION OR STRUCTURAL MODIFICATIONS UTILIZING X-RAY FOR DIAGNOSTIC OR THERAPEUTIC PURPOSES, MUST BE OBTAINED BY THE CUSTOMER FROM THE APPROPRIATE STATE AGENCY, IF APPLICABLE.

CASEWORK & ACCESSORY NOTES

ALL CASEWORK IS EITHER EXISTING OR IS TO BE DESIGNED, DETAILED, FURNISHED AND INSTALLED BY THE CUSTOMER AND/OR CONTRACTOR. FOLLOW DESIGN RECOMMENDATIONS INCLUDED HEREWITH, AS THEY ARE ESSENTIAL FOR THE SUCCESSFUL INSTALLATION & OPERATION OF THE SIEMENS EQUIPMENT.

ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.

SITE READINESS GUIDELINES

THE FOLLOWING GENERAL CONDITIONS ARE NECESSARY TO HAVE THE STATUS OF "READY SITE":

PROPER POWER AVAILABLE AT SIEMENS EQUIPMENT POWER CABINET LOCATION AND ALL POWER OUTLETS FUNCTIONING. AIR CONDITIONING/HUMIDIFICATION SYSTEMS COMPLETE, TESTED, AND FUNCTIONING PROPERLY ACCORDING TO SIEMENS SPECIFICATIONS.

PROPER LIGHTING INSTALLED AND FUNCTIONING. PLUMBING COMPLETE EXCEPT FOR ANY FINAL CONNECTIONS

TO SIEMENS EQUIPMENT. ALL CABLE TRAYS/DUCTS/CONDUITS CORRECTLY SIZED, LOCATED, AND INSTALLED ACCORDING TO THE SIEMENS DRAWINGS. ALL REINFORCEMENT PLATES/UNISTRUT INSTALLED AS REQUIRED.

ROOM FOR EQUIPMENT INSTALLATION AND IMMEDIATE VICINITY IS DUST-FREE AND IS TO REMAIN SO FOR THE DURATION OF THE INSTALLATION.

A SECURE AREA (APPROXIMATELY 10' x 10') IS AVAILABLE AT EQUIPMENT DELIVERY FOR PARTS AND INSTALLATION TOOLS. CUSTOMER SUPPLIED CAMERAS AND PROCESSORS INSTALLED.)) CUSTOMER APPROVAL FOR SIEMENS REMOTE SERVICES (SRS) CONNECTION, AND CUSTOMER'S I.T. CONTACT INFORMATION AND

IP ADDRESSES ESTABLISHED.) WALLS TO BE PRIMED AND PAINTED, FLOORS TO BE TILED EXCEPT IN AREAS OF THE EQUIPMENT BASE PLATES.

F THESE CONDITIONS ARE NOT MET, THE SIEMENS PROJECT MANAGER AND THE DESIGNATED SIEMENS INSTALLATION SUPERVISOR SHALL RESCHEDULE THE INSTALLATION START DATE. NOTE: ADDITIONAL COST MAY BE INCURRED BY THE CUSTOMER/CONTRACTOR AND DELIVERY DATES MAY NEED TO BE RESCHEDULED, WHEN THE SIEMENS SITE READINESS GUIDELINES ARE NOT MET.

RESOURCE LIST	(SMS USE ONL	Y)
DESIGNATION	PG NUMBER	DATE
SOMATOM DEFINITION FLASH	C2-030.891.01.03.02	07.10
COMMON CT	CT00-000.891.02.08.02	02.11
COMMON OPTIONS CT	CT00-000.891.03.09.02	02.11

DEFINITION FLAS

FINISHED ROO	OM HEIGHT
FOR CT GANTRY ONLY	MINIMUM 7'-2 5/8"
CAREVISION MONITOR/CEILING MOUNT	MIN. 8'-7 1/2" MAX. 11'-2 5/8"

			TEL: (707) 246-0670 VMAIL: EXT: FAX: (707) 552-7923 EMAIL: Robert.Sanders@siemens.com			SIEMENS
			3801 N	MIRANDA AVENUE (04E SUITE E2-453 - SO	D), PALO ALTO, CA	0 640 94304 ASH
\triangle	09/22/11	R-101RB VERSION DATED 08/31/11 APPROVED BY CUSTOMER FOR FINALS	THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.	PROJECT #: 110	1626	SHEET: 101
SYM	DATE	DESCRIPTION	ALL RIGHTS ARE RESERVED.	SHEET OF 1 9	DRAWN BY: J. DRAMIS	

AS NOTED REF. #: AS NOTED REF. #: 1-17EHEY

-ISSUE BLOCK-

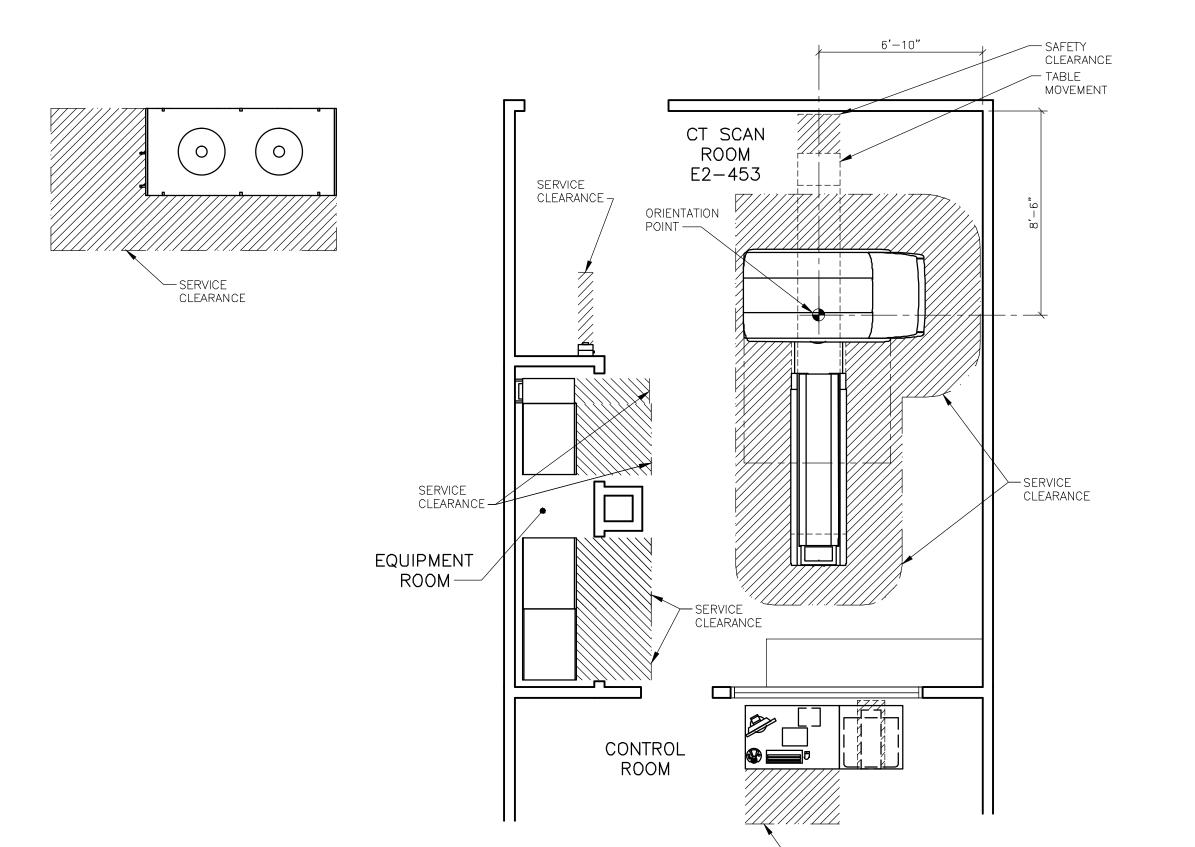
PROJECT MANAGER: ROBERT SANDERS

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED ATTENTION: AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

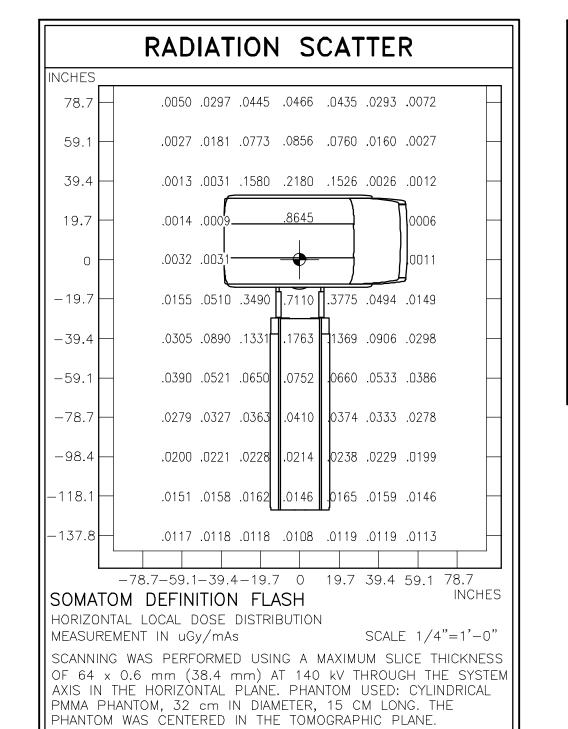
-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION

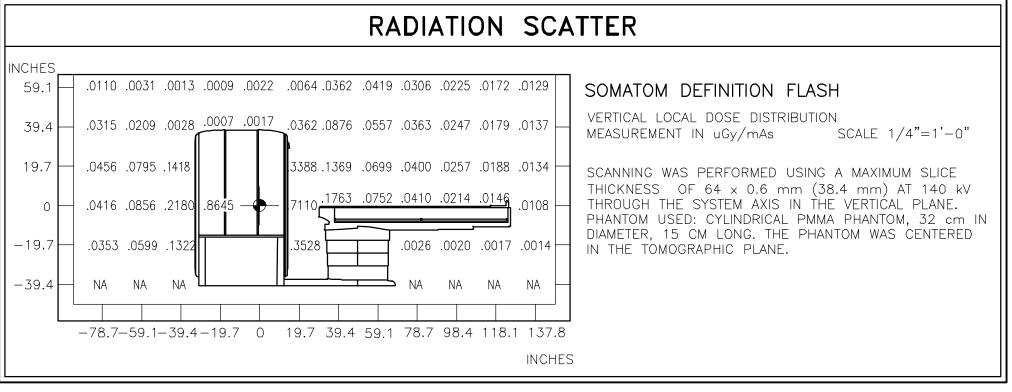
PHYSICIST TO SPECIFY RADIATION PROTECTION.



SAFETY/SERVICE CLEARANCE PLAN

SCALE: 1/4" = 1'-0"





- SERVICE

CLEARANCE

SIEMENS REMOTE SERVICES (SRS)

TO ENSURE THE UPTIME OF YOUR SYSTEM DURING THE WARRANTY PERIOD (AND BEYOND WITH A SERVICE AGREEMENT), SIEMENS REMOTE SERVICES (SRS) REQUIRES REMOTE LOCAL AREA NETWORK ACCESS TO SIEMENS SYSTEMS.

SRS REQUIRES ONE OF THE FOLLOWING CONNECTION METHODS:

(PREFERRED) VPN CONNECTION

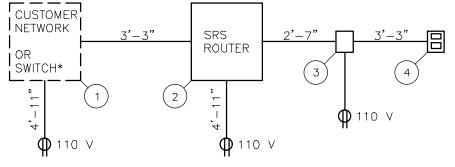
THE PREFERRED CONNECTION METHOD IS (VPN) VIRTUAL PRIVATE NETWORK (WHERE THE CUSTOMER HAS AVAILABLE A VPN CAPABLE FIREWALL OR OTHER VPN APPLIANCE). THIS METHOD PROVIDES THE POSSIBILITY FOR REMOTE SYSTEM DIÁGNOSTICS WITHOUT ADDITIONAL HARDWARE. PLEASE CONTACT SIEMENS REMOTE SERVICES (800-888-SIEM) TO DETERMINE IF THIS METHOD IS SUITABLE FOR

(OPTIONAL) SRS ROUTER CONNECTION

- THE SRS ROUTER IS SUPPLIED BY SIEMENS AND INSTALLED AT THE CUSTOMER'S SITE, WHILE STILL REMAINING THE PROPERTY OF SIEMENS. THE CUSTOMER'S NETWORK ADMINISTRATOR AND SIEMENS REMOTE SERVICES SHALL DETERMINE THE TYPE AND LOCATION OF THE SRS ROUTER REQUIRED.

- THE SRS ROUTER IS CONNECTED TO AN ANALOG MODEM THAT IS SUPPLIED BY SIEMENS, WHICH THEN IN TURN IS CONNECTED TO AN ANALOG PHONE LINE THAT IS SUPPLIED BY THE CUSTOMER. ONE SRS ROUTER ALLOWS REMOTE DIAGNOSTICS TO MULTIPLE MEDICAL SYSTEMS. - THE SRS ROUTER SHOULD BE INSTALLED IN A SECURE LOCATION (CUSTOMER'S NETWORK COMPUTER ROOM) THAT HAS LIMITED ACCESS. ÌT CAN BE LOCATED ON A SHELF, TABLE, OR IN A CABINET. THE CONNECTION CABLES (WITH INDICATED LENGTHS BELOW) ARE INCLUDED

SRS ROUTER CONNECTION DIAGRAM



NOTE: ALL POWER OUTLETS ARE SUPPLIED/INSTALLED BY CUSTOMER.

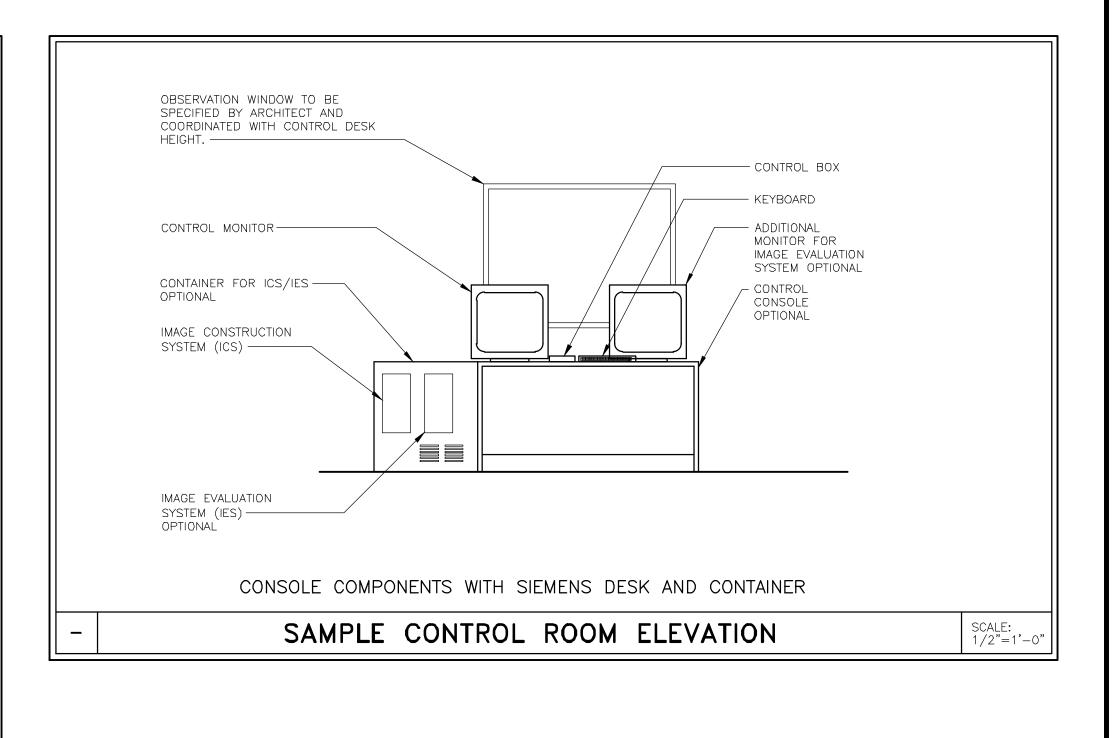
- (1) ETHERNET SWITCH OR HUB, SUPPLIED BY CUSTOMER
- SRS ROUTER, SUPPLIED BY SIEMENS (SIZE: 11.2"W X 8.7"D X 5.5"H, WEIGHT: 2 LBS.)
- (3) ANALOG MODEM, SUPPLIED BY SIEMENS

BE ORDERED FROM SIEMENS.

WITH DELIVERY,

(4) ANALOG PHONE LINE, SUPPLIED BY CUSTOMER * OPTIONAL SWITCH AND CABLES ARE NOT INCLUDED, BUT CAN

SIEMENS REMOTE SERVICE



SAFETY CLEARANCE NOTE

IF THE SAFETY DISTANCES ARE NOT OBSERVED, SAFETY MEASURES IN ACCORDANCE WITH LOCAL CODES SHOULD BE UTILIZED (FOR EXAMPLE BARRIERS, WARNING SIGNS, AND SAFETY

FINISHED	ROOM	HEIGHT	
 		1 /- "	

FOR CT GANTRY ONLY MINIMUM 7'-2 5/8" CAREVISION MONITOR/CEILING MOUNT MIN. 8'-7 1/2" MAX. 11'-2 5/8

-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION

			PROJECT MANAC TEL: (707) 24 VMAIL: FAX: (707) 55 EMAIL: Robert.Sar	GER: ROBERT SANI -6-0670 EXT: 52-7923 nders@siemens.com	DERS			SIE	MENS
			VA	3801 M	IIRANDA	AVENUE (040	D), PALO ALTO, CA MATOM DEFINITION FI	94304	640
\triangle	09/22/11	R-101RB VERSION DATED 08/31/11 APPROVED BY CUSTOMER FOR FINALS	THIS TITLE E SIEMENS AUTH RESULT IN PROS	EPRODUCTION OF PLOCK WITHOUT ORIZATION WILL SECUTION UNDER OF THE LAW.		ECT #: 10	1626	SHEET:	100
SYM	DATE	DESCRIPTION	ALL RIGHTS A	RE RESERVED.	SHEET	OF 9	DRAWN BY: J. DRAMIS		
	-ISSU	E BLOCK—	SCALE: AS NOTED	REF. #: 1-17EHEY	DATE:	9/22/11	CHECKED:		

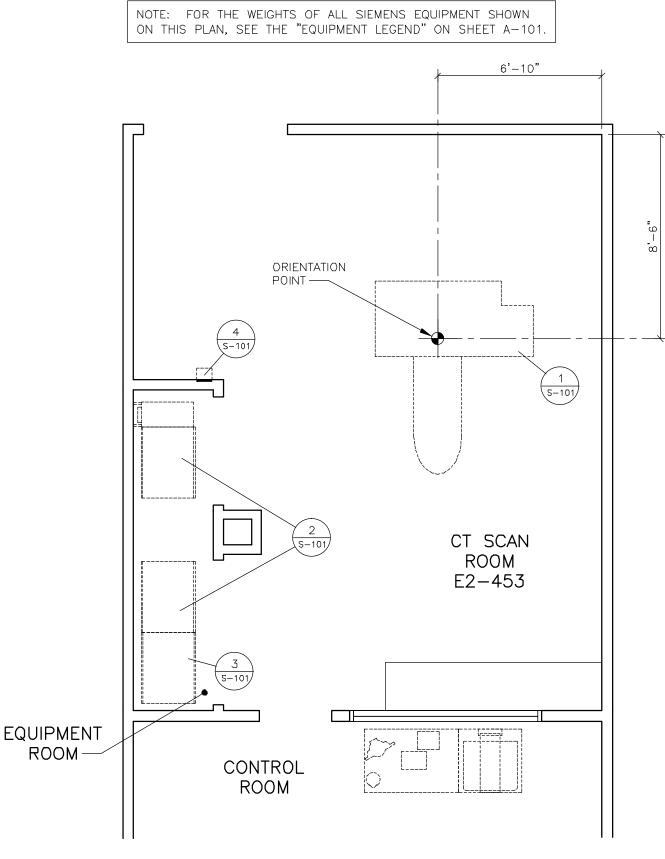
DEFINITION FLASH 03/11/11

ATTENTION:

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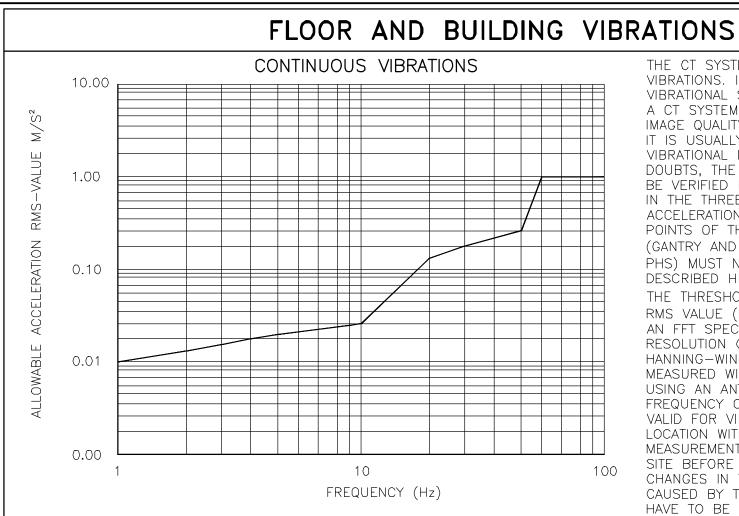
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PHYSICIST TO SPECIFY RADIATION PROTECTION.



STRUCTURAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



THE CT SYSTEM IS NOT SENSITIVE TO COMMON VIBRATIONS. IF THE CT IS AWAY FROM VIBRATIONAL SOURCES OR THE CT IS REPLACING A CT SYSTEM, THAT TO DATE, HAS NOT SHOWN IMAGE QUALITY PROBLEMS DUE TO VIBRATIONS, IT IS USUALLY NOT NECESSARY TO EXECUTE VIBRATIONAL MEASUREMENTS. IF THERE ARE ANY DOUBTS, THE FOLLOWING THRESHOLDS HAVE TO BE VERIFIED BY MEASUREMENT:

IN THE THREE SPACIAL DIRECTIONS. ACCELERATION IN VIBRATIONS AT THE MOUNTING POINTS OF THE COMPUTED TOMOGRAPHY SYSTEM (GANTRY AND THE PATIENT HANDLING SYSTEM PHS) MUST NOT EXCEED THE THRESHOLDS AS DESCRIBED HERE.

THE THRESHOLD IS DEFINED AS ACCELERATION RMS VALUE (ROOT MEAN SQUARE) IN M/S2 OF AN FFT SPECTRUM DERIVED WITH A FREQUENCY RESOLUTION OF 1 Hz AND USING A HANNING-WINDOW. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz USING AN ANTI-ALIASING-FILTER WITH A LIMIT FREQUENCY OF 250Hz. THE THRESHOLD IS VALID FOR VIBRATIONS AT THE INSTALLATION LOCATION WITH A CT IN POSITION. MEASUREMENTS ARE USUALLY TAKEN AT THE SITE BEFORE THE INSTALLATION OF THE CT, CHANGES IN THE EIGENFREQUENCY OF THE SLAB CAUSED BY THE ADDITIONAL MASS OF THE CT HAVE TO BE CONSIDERED WHEN COMPARING THE

FREQUENCY SPECTRUM WITH THE THRESHOLD.

VALUES OF THE THRESHOLD ARE SHOWN BELOW.

THRESHOLD VALUES OF ALLOWABLE ACCELERATION (RMS VALUE OF 1 Hz RESOLUTION FFT)

(RMS VALUE OF 1	HZ RESULUTION FFT)
FREQUENCY (Hz)	ACCELERATION RMS (M/S2)
1	0.010
2	0.014
3	0.017
4	0.019
5	0.022
6	0.024
7	0.025
8	0.027
9	0.029
10	0.030
11	0.037
12	0.046
13	0.055
14	0.066
TRANSIENT VI	BRATIONS (SHOCKS)

VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz

FREQUENCY (Hz)	ACCELERATION RMS (M/S2)	FREQUENCY (Hz)	ACCELERATION RMS (M/S2
1	0.010	15	0.077
2	0.014	16	0.089
3	0.017	17	0.103
4	0.019	18	0.117
5	0.022	19	0.133
6	0.024	20	0.150
7	0.025	25	0.178
8	0.027	30	0.204
9	0.029	35	0.229
10	0.030	40	0.253
11	0.037	45	0.277
12	0.046	50	0.300
13	0.055	55	0.563
14	0.066	≥60	1.000

WEIGHT: 13.5 LBS. FOUR .20"ø INPUT POWER SURGE SUPPRESSOR. MOUNTING (FROM LEFT SUPPLIED BY SLOTS SIDE) 7 SIEMENS AND INSTALLED BY THE CUSTOMER/CONTRACTOR SURGE SUPPRESSOR IS WALL MOUNTED, CONTRACTOR TO SUPPLY BACKING AND MOUNTING 5 3/4" 5 1/2" HARDWARE, MAINTAIN A MINIMUM OF 36" 7 1/2" | 6 11/16" IN FRONT OF SURGE SUPPRESSOR FOR SIDE VIEW FRONT VIEW SERVICE. PARALLEL SURGE SUPPRESSOR UNIT MUST BE LOCATED WITHIN 3 FEET OF CIRCUIT BREAKER.

EATON SPD

SURGE SUPPRESSOR

3'-1 5/8" THE CONCRETE FLOOR MUST BE 2'-3 11/16" LEVEL WITHIN 3/8" MAXIMUM 2'-0 13/16" DEVIATION IN THE AREA AROUND THE BASE OF THE GANTRY AND 1 1 1 3 / 1 6 THE BASE OF THE PATIENT TABLE. 2 1/2" _____ _ _____ 1'-4 1/4' 3'-4" ORIFNTATION COUTLINE OF PATIENT TABLE BASE AND SURFACE MOUNTED CONNECTION PIECE BETWEEN THE | 4 7/8" THE TABLE BASE. 1'-9 13/16" | 4 1/8" 3'-0 9/16" 1'-11 5/8" LOUTLINE OF GANTRY BASE. SEE FLOOR LOADING DIAGRAM

THE GANTRY AND PATIENT TABLE ARE SUPPLIED AND INSTALLED BY SIEMENS.

- (1) (4) ADJUSTABLE FEET OF GANTRY Ø3 1/8".
- MOUNTING THE GANTRY TO THE FLOOR IF REQUIRED, EX. EARTHQUAKE ZONES. (4) Ø13/16" MOUNTING HOLES / ADJUSTABLE
- ÉÉT TO MOUNT THE PATIENT TÁBLE TO THE

(4) Ø7/8" HOLES IN THE GANTRY BASE FOR

MAXIMUM POSSIBLE EXTRACTION FORCE AT THESE POINTS IS 1824 POUNDS WITH A 507 POUND PATIENT (INCLUDES SAFETY—FACTOR 4).

FLOOR SURFACE REQUIREMENTS THE GANTRY AND PATIENT TABLE MUST BE INSTALLED ON THE SAME PLANE, IT IS THE CUSTOMER'S RESPONSIBILITY TO MEET FLOOR LEVELNESS SPECIFICATIONS AS OUTLINED IN THIS DETAIL. TO ACHIEVE THE FLOOR LEVELNESS SPECIFICATIONS AT NEW CONSTRUCTION SITES, THE CUSTOMER/CONTRACTOR MUST SUPPLY AND POUR AN EPOXY PAD IN THE FORM OF THE OUTLINE IN THIS DETAIL THE CURING OF THE PAD IS TEMPERATURE SENSITIVE. IN ORDER TO PROPERLY CURE, THE SLAB MUST BE AT A MINIMUM OF 60°F (48 HR. CURE TIME) OR 77°F (24 HR. CURE TIME). THIS SHOULD BE COORDINATED WITH THE SIEMENS PROJECT MANAGER AND COMPLETED PRIOR TO DELIVERY OF THE SYSTEM. THE GANTRY AND PATIENT TABLE RESTS ON ADJUSTABLE FEET AND ANY LEVELING IS DONE WITH THE ADJUSTABLE FEET. EPOXY MATERIAL: MICOROX X-TRA FLUID GROUT, L/O FORMULA, STANDARD GRAY OR EQUIVALENT.

I.W. MEYER, INC. PH: 630-801-0234

KIT NUMBER: 4387911 (KIT INCLUDES: EPOXY, HARDENER, FOAM FORMS, MIXING PADDLE, WAX, GLOVES AND INSTALLATION INSTRUCTIONS)

THE MICOR COMPANY PH: 414-873-2071

REQUEST MICOROX X-TRA FLUID GROUT, L/O FORMULA. EPOXY AND HARDENER MAY BE PURCHASED FROM THIS COMPANY, FOAM FORMS, MIXING PADDLE, WAX AND GANTRY BASE AND GLOVES MUST BE PURCHASED SEPARATELY.

> EXISTING SITES MUST EVALUATE THE CONCRETE FLOOR TO DETERMINE IF THE FLOOR MEETS THE LEVELNESS SPECIFICATIONS. IF THE SPECIFICATIONS ARE MET, THE GANTRY AND PATIENT TABLE MAY BE PLACED DIRECTLY ON THE CONCRETE FLOOR. EXISTING FLOOR COVERING IN THE AREA OF THE INSTALLATION SUPPORT SURFACE AND ATTACHMENT POINTS OF THE GANTRY AND THE ENTIRE FOOTPRINT AREA OF THE PATIENT TABLE BASE MUST BE REMOVED AND REPLACED WITH SHIMS OF THE APPROPRIATE THICKNESS, IF FLOOR LEVELNESS SPECIFICATIONS ARE NOT MET, THE CUSTOMER/

CONTRACTOR MUST SUPPLY AND POUR AN EPOXY PAD AS STATED ABOVE.

BOLTING REQUIREMENTS

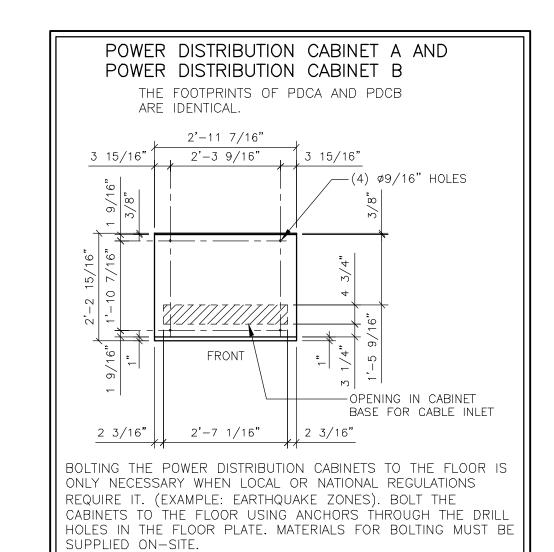
THE WEIGHT CAPACITY OF THE FLOOR MUST BE EVALUATED BY A STRUCTURAL ENGINEER. BOLTING THE GANTRY TO THE FLOOR IS ONLY NECESSARY WHEN LOCAL OR NATIONAL REGULATIONS REQUIRE IT (EXAMPLE: EARTHQUAKE ZONES). BOLT THE GANTRY TO THE FLOOR USING ANCHORS THROUGH THE MOUNTING HOLES IN THE GANTRY BASE. MATERIALS FOR BOLTING MUST BE SUPPLIED

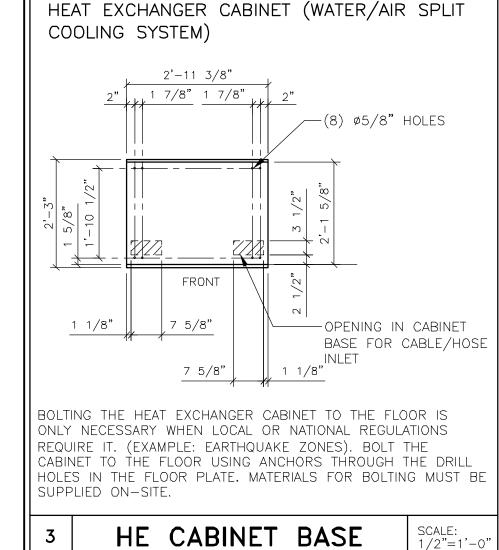
THE PATIENT TABLE MUST ALWAYS BE BOLTED TO THE FLOOR THROUGH THE ATTACHMENT POINTS IN THE TABLE PEDESTAL. A DRILLING TEMPLATE AND ALL INSTALLATION MATERIALS ARE INCLUDED IN THE DELIVERY. ANCHOR: HILT HSL-3G M10/60 (USED WITHOUT BONDED SCREED) OR HSL-3G M10/120 (USED WITH MAX. 2 3/8" BONDED SCREED) ARE SUPPLIED WITH THE TABLE. THE CONCRETE MUST BE MIN. 5 1/2" THICK.

IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER TO DETERMINE THE ANCHORING DEPTH AND CONCRETE STRENGTH NEEDED TO INSTALL THE TABLE BASE WITH THE SIEMENS SUPPLIED ANCHORS OR EQUIVALENT ANCHORS SPECIFIED BY THE STRUCTURAL ENGINEER AND SUPPLIED BY THE CUSTOMER/CONTRACTOR.

1/2"=1'-0

GANTRY AND PATIENT TABLE MOUNTING DETAIL





STRUCTURAL NOTES

THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF THE SIEMENS EQUIPMENT.

2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID AND BRACED FOR SWAY.

ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LÉVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET WITH A TRANSIT.

ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY O VERIFY THE INTEGRITY OF THAT SYSTEM.

S) WHERE SHOWN ON THE 1/4" STRUCTURAL FLOOR PLAN, THERE ARF ON OCCASION MOUNTING FRAMES FURNISHED BY SMS. THESE FRAMES ARE TO BE SET BY THE CONTRACTOR, UNDER THE SUPER-VISION OF SMS PERSONNEL. THE CUSTOMER/CONTRACTOR IS RESPONSIBLE FOR ALL FRAMES INSTALLED BY HIM TO BE WATER LEVEL AND ANCHORED PROPERLY.

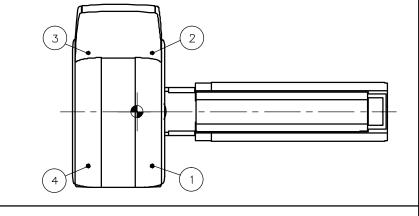
6) ALL CEILING FIXTURES (i.e. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.

7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CÉILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.

8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUC-TÚRAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.

) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FÓR THE DESIGN AND DETAIL OF FLOOR, WALL AND CEILING STRUC-TURES IN ACCORDANCE WITH THE WEIGHTS, MOMENTS AND FORCES AS SHOWN ON OUR STRUCTURAL CALCULATIONS, OR INFORMATION, IN CONSIDERATION OF FORCES AS DETERMINED PER LOCAL GOVERNING BUILDING CODES.

DESCRIPTION					
DESCINI HON					
F STAT MAX	TAT MAX STATIC FLOOR LOADING DUE TO GANTRY'S OWN WEIGHT				
AMPLITUDE DIFFERENCE BETWEEN MINIMUM AND MAXIMUM FLOOR LOADING DURING GANTRY ROTATION					
MEASUREMENT POINTS					
ADJUSTABLE FOOT	F STAT MAX (POUNDS)	AMPLITUDE FOR F DYN (POUNDS)	BEARING AREA PER ADJUSTABL FOOT		
1	1272	±152			
2	1717	±156	7 3/4 IN ²		
3	1768	±171] / 3/4 111		
4	1476	±175			



1) THE VALUES PROVIDED FOR FLOOR LOADING APPLY ONLY IF THE GANTRY IS SATISFACTORILY LEVELED.

2) THE FLOOR STRUCTURE MUST BE CAPABLE OF WITHSTANDING THE OCCUPIED WEIGHT OF THE GANTRY AND THE INDIVIDUAL CONTACT AREA LOADING.

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY MINIMUM 7'-2 5/8" CAREVISION MONITOR/CEILING MOUNT | MIN. 8'-7 1/2" MAX. 11'-2 5/8"

PDC CABINET BASE

101RB VERSION DATED 08/31 9/22/1 PPROVED BY CUSTOMER FOR FIN DATE DESCRIPTION

FAX: (707) 552-7923 EMAIL: Robert.Sanders@siemens.com PALO ALTO 640 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 - SOMATOM DEFINITION FLASH THE USE OR REPRODUCTION OF PROJECT #: THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

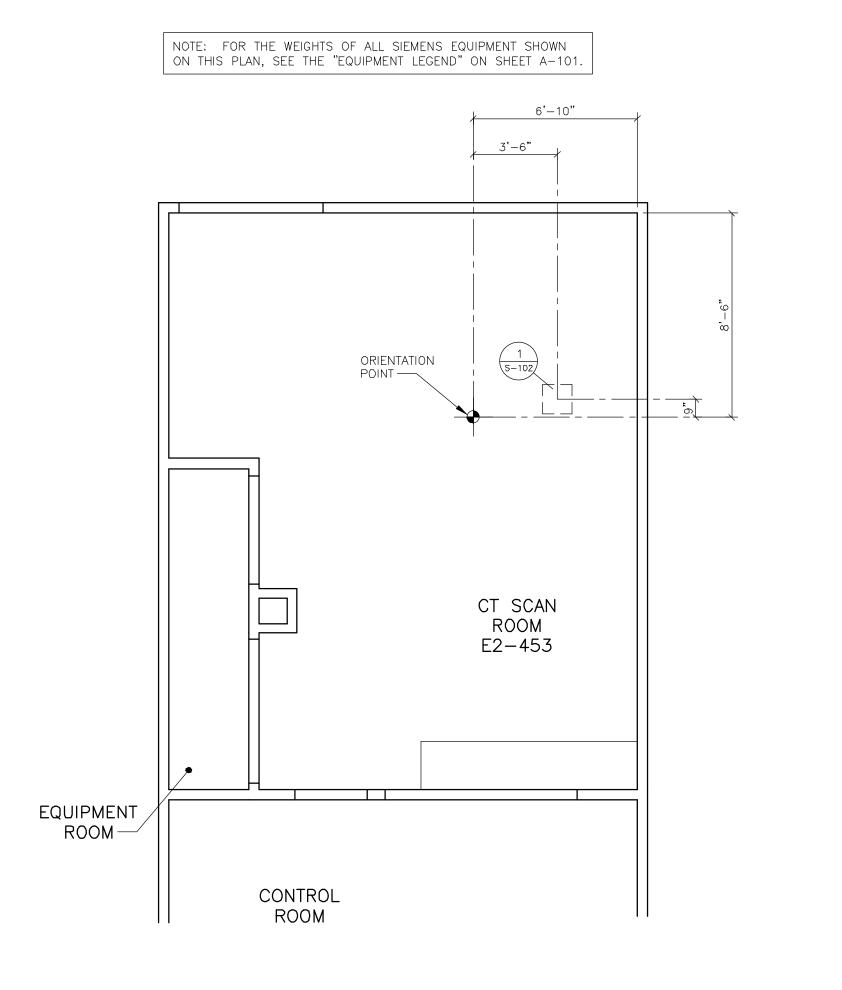
-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

ALL RIGHTS ARE RESERVED -ISSUE BLOCK-`AS NOTED

101626 J. DRAMIS REF. #: 1-17EHEY HECKED: 9/22/1

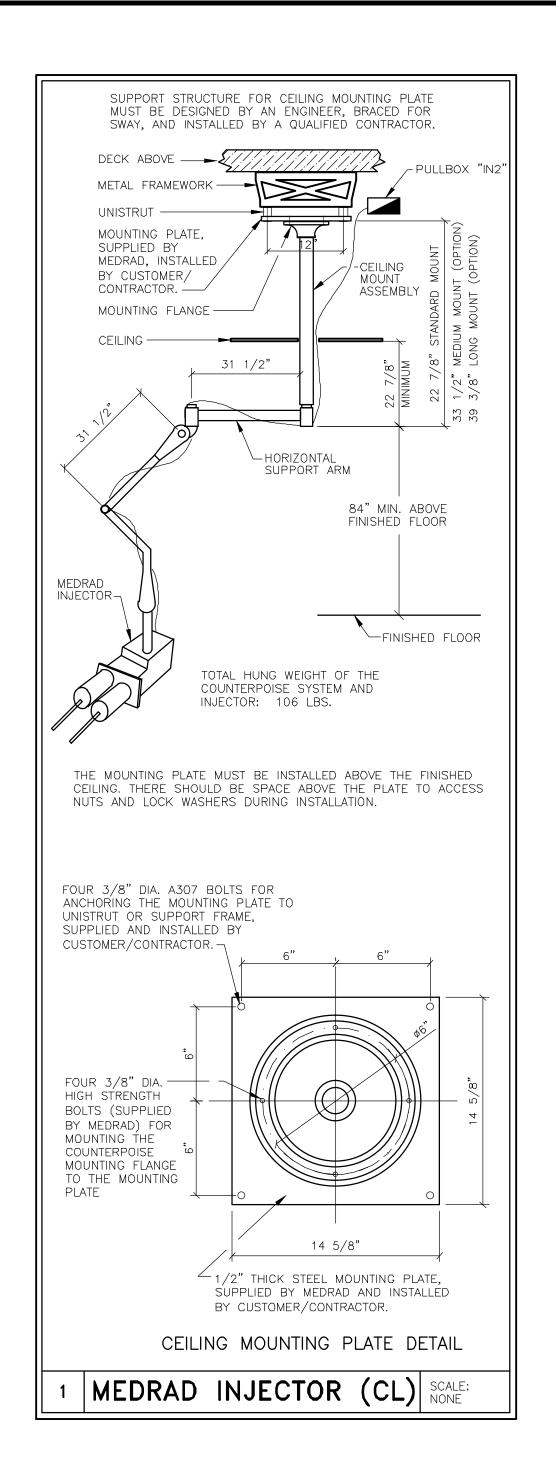
SIEMENS

DEFINITION FLASH 03/11/11



STRUCTURAL CEILING PLAN

SCALE: 1/4" = 1'-0"



DEFINITION FLASH 03/11/11

ECT MANAGER: ROBERT SANDERS (707) 246-0670 SIEMENS TEL: (707) 246-0670 VMAIL: EXT: FAX: (707) 552-7923 EMAIL: Robert.Sanders@siemens.com VA PALO ALTO 640 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 - SOMATOM DEFINITION FLASH THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. PROJECT #: 1101626 R-101RB VERSION DATED 08/31/11 APPROVED BY CUSTOMER FOR FINALS **∑** 09/22/11 ALL RIGHTS ARE RESERVED. DATE DESCRIPTION J. DRAMIS -ISSUE BLOCK-

ATTENTION:

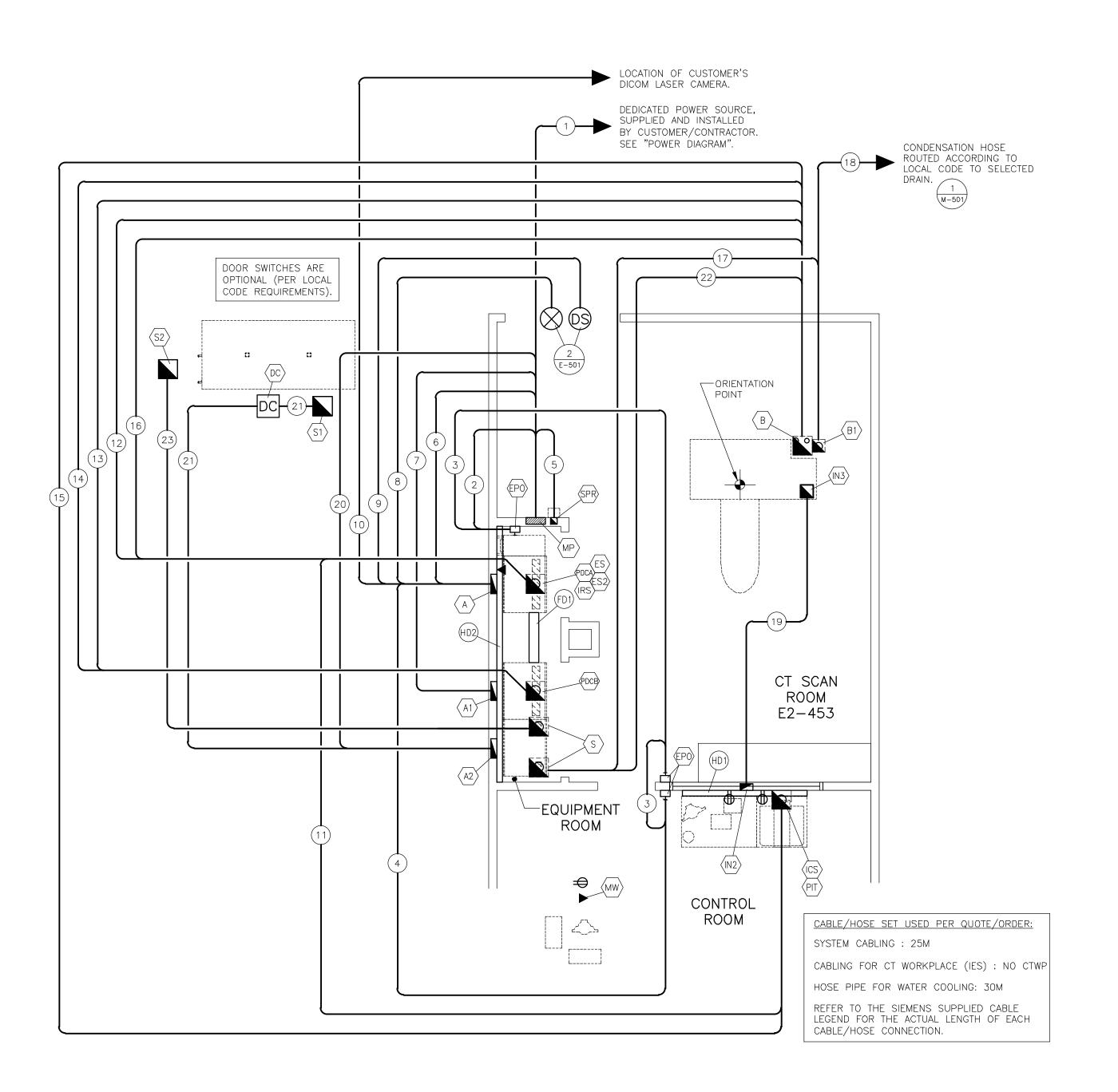
-THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

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-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION

PHYSICIST TO SPECIFY RADIATION PROTECTION.

REF. #: **1-17EHEY** CALE: **AS NOTED** CHECKED: 9/22/11



ELECTRICAL RACEWAY PLAN

SCALE: 1/4" = 1'-0"

CONDUIT LENGTH CALCULATIONS

F SITE SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS

IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO

RECALCULATE THE MAXIMUM CONDUIT LENGTHS.
ASSUMED VALUES USED IN CALCULATING STATED MAXIMUM
CONDUIT LENGTHS:
VERTICAL DUCTS - 10'-0"
FLOOR PENETRATIONS - 3'-0"

IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT IT

CONTRACTOR SUPPLIED CABLES					
FROM	VIA	то	DESCRIPTION	REMARKS	
POWER SOURCE	1	MP	3—PHASE CONDUCTORS, 1 NEUTRAL, 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER.	SEE POWER DIAGRAM	
MP	2	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM	
EPO	3	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM	
EPO	4 , A	PDCA	2 - #12	SEE POWER DIAGRAM	
MP	5	SPR	3-PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER.	SEE POWER DIAGRAM	
MP	6 , A	PDCA	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE, MAX. 3/0. SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM	
MP	7,A1	PDCB	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE, MAX. 3/0. SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM	
PDCA	A,8	WARNING LIGHT	DETERMINED BY ELECTRICAL CONTRACTOR.		
PDCA	A,9	DS	DETERMINED BY ELECTRICAL CONTRACTOR.		
PDCA	A,10	LASER CAMERA	DICOM LASER CAMERA ETHERNET CABLE		
MP	20,A2	S	3 PHASE CONDUCTORS AND 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL CONTRACTOR.	W/A SPLIT COOLING SYSTEM SEE POWER DIAGRAM	

ELECTRICAL LEGEND					
SYM	SIZE	DESCRIPTION CURRILED AND INSTALLED BY QUESTIONER (CONTRACTOR	REMARKS		
(A)	AS REQUIRED	SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT FLOORLINE IN SHOWN LOCATION.	ANCILLARY WIRING		
(A1)	AS REQUIRED	PULL BOX MOUNTED FLOSH WITH FINISHED WALL AT FLOORLINE IN SHOWN LOCATION.	ANGILLARY WIRTING		
<u> </u>	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT FLOORLINE IN SHOWN LOCATION.			
B	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 3 1/2" COREDRILL WITH SLEEVE AND A 3" COREDRILL WITH SLEEVE THROUGH THE SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATIONS.	GANTRY CABLE ACCESS		
B1	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 5"0 COREDRILL WITH SLEEVE THROUGH THE SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATION.	GANTRY CABLE ACCESS		
(C)		DISCONNECT SWITCH MOUNTED NEAR OUTDOOR UNIT TO DISCONNECT POWER SUPPLY FROM INDOOR UNIT. SUPPLIED BY SIEMENS, INSTALLED BY CUSTOMER/CONTRACTOR IN ACCORDANCE WITH LOCAL CODES.	OUTDOOR UNIT-WATER/AIR SPLIT		
(P)		EMERGENCY POWER OFF BUTTON THAT PREVENTS RESETTING OF CIRCUIT BREAKER WHEN IN THE OFF POSITION WITH PROTECTIVE COVER, MOUNTED ON WALL AT 5'-0" ABOVE FINISHED FLOOR. THERE SHALL BE AN EPO IN EACH ROOM OF THE SUITE WHERE SIEMENS EQUIPMENT IS LOCATED. EXACT LOCATIONS TO BE DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER DIAGRAM		
(ES)		ETHERNET SWITCH FOR ICS, IRS, GANTRY & PDC'S SUPPLIED BY SIEMENS. LOCATED INSIDE PDCA CABINET.			
(3)		ETHERNET SWITCH FOR REMOTE IES, DICOM CAMERAS & NETWORK PRINTER SUPPLIED BY SIEMENS. LOCATED INSIDE PDCA CABINET.			
(CS\PT)	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH 6"Ø COREDRILL WITH SLEEVE THROUGH SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	IMAGE CONSTRUCTION SYS.		
(NZ)	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL IN CONTROL AREA, EXACT LOCATION TO BE COORDINATED WITH SIEMENS PROJECT MANAGER.	INJECTOR ELECTRONICS		
(N3)	AS REQUIRED	PULL BOX MOUNTED ABOVE FINISHED CEILING IN SHOWN LOCATION.	CEILING MTD. INJECTOR		
®		FIXPOINT DESIGNATION, SAME PULL BOX/OPENING AS PDCA.			
	3-PHASE	MAIN PANEL - FOR UNITS WITH MULTIPLE CIRCUIT BREAKERS. EXACT LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	REFER TO POWER DIAGRAM FOR INDIVIDUAL CIRCUIT BREAKERS		
(W)		ETHERNET CONNECTION TO HOSPITAL NETWORK, EXACT LOCATION TO BE COORDINATED WITH SIEMENS PROJECT MANAGER.	LEONARDO WORKSTATION		
(10)	AS REQUIRED	PULL BOX MOUNTED TO UNDERSIDE OF FLOOR SLAB WITH 6"Ø COREDRILL WITH SLEEVE THROUGH FLOOR SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	POWER DISTRIBUTION CAB.		
®	AS REQUIRED	PULL BOX MOUNTED TO UNDERSIDE OF FLOOR SLAB WITH 6"Ø COREDRILL WITH SLEEVE THROUGH FLOOR SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	POWER DISTRIBUTION CAB.		
S	AS REQUIRED	TWO PULL BOXES MOUNTED BELOW THE FLOOR SLAB WITH TWO 6"0 COREDRILLS WITH SLEEVES THROUGH THE FLOOR SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATIONS.	HEAT EXCHANGER CABINET—WATER/AIR SPLIT		
(31)	AS REQUIRED	PULL BOX THAT IS PROVIDED ON THE OUTDOOR COOLING UNIT.	OUTDOOR COOLING UNIT-WATER/AIR SPLIT		
②	AS REQUIRED	PULL BOX MOUNTED ADJACENT TO OUTDOOR COOLING UNIT PROVIDED WITH FLEX-TITE CONDUIT FROM PULL BOX TO WATER HOSE CONNECTIONS ON OUTDOOR COOLING UNIT.	OUTDOOR COOLING UNIT— WATER/AIR SPLIT		
 ₹PR	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL PROVIDED WITH 2"Ø OPENING IN FINISHED COVER. THE SURGE SUPPRESSOR MUST BE LOCATED WITHIN 3 FEET CABLE RUN FROM CIRCUIT BREAKER, AT HEIGHT DETERMINED BY CUSTOMER/ CONTRACTOR.	SEE DETAIL S-101		
(FD1)	6" × 3 1/2"	ELECTRICAL DUCT SURFACE MOUNTED ON FLOOR AND PARALLEL WITH THE FLOOR SLAB IN SHOWN LOCATION, PROVIDED WITH REMOVABLE COVERS.	RACEWAY		
HD1 HD2	10" x 3 1/2"	ELECTRICAL DUCT RUN HORIZONTALLY ON THE WALL AT THE FLOORLINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN FOR EXCESS CABLE STORAGE.	RACEWAY		
1	AS REQUIRED	CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
2	AS REQUIRED	CONDUIT FROM "MP" TO "EPO" SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
3	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
4	AS REQUIRED	CONDUIT FROM "EPO" TO "A" (PDCA/UPS), SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
5	AS REQUIRED AS REQUIRED	CONDUIT FROM "MP" TO "SPR" SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM SEE POWER DIAGRAM		
<u>6</u>	AS REQUIRED	CONDUIT FROM "MP" TO "A" (PDCA), SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
8	AS REQUIRED	CONDUIT FROM "MP" TO "A1" (PDCB), SIZED BY ELECTRICAL CONTRACTOR. CONDUIT FROM "A" (PDCA) TO "WARNING LIGHT".	SLE I OWEN DIAGNAM		
9	AS REQUIRED	CONDUIT FROM "A" (PDCA) TO "DS".			
(10)	AS REQUIRED	CONDUIT FROM "A" (PDCA) TO LOCATION OF CUSTOMER'S DICOM LASER CAMERA.			
(1)	2-1/2"ø	CONDUIT FROM "PDCA" TO "ICS/PIT".	MAX. CONDUIT LENGTH		
12	(3) 3"ø	CONDUITS FROM "PDCA" TO "B" WITH A MINIMUM 6" BENDING RADIUS.	72'-0" MAX. CONDUIT LENGTH		
13	3"ø	CONDUIT FROM "PDCB" TO "B" WITH A MINIMUM 6" BENDING RADIUS.	72'-0" MAX. CONDUIT LENGTH 72'-0"		
(14)	2-1/2"ø	CONDUIT FROM "PDCB" TO "B".	MAX. CONDUIT LENGTH		
15)	3"ø	CONDUIT FROM "B" TO "ICS/PIT".	MAX. CONDUIT LENGTH 72'-0"		
16)	1-1/2"ø	CONDUIT FROM "B" TO "IRS".	MAX. CONDUIT LENGTH 72'-0"		
17)	(2) 3"ø	CONDUITS, IF REQUIRED PER LOCAL CODE, FROM "S" TO "B1". TO CONTAIN SIEMENS COOLING WATER HOSES WITH A MINIMUM 6" BENDING RADIUS.	MAX. CONDUIT LENGTH 90'-0" SEE SHEET M-101		
(18)	1"ø	CONDUIT, IF REQUIRED PER LOCAL CODE, FOR CONDENSATION HOSE FROM "B1" TO SELECTED DRAIN TYPE. THE MINIMUM BENDING RADIUS IS 1 3/16".	MAX. CONDUIT LENGTH 29'-9"		
19	2-1/2"ø	CONDUIT FROM "IN2" TO "IN3", VERIFY LENGTH RESTRICTIONS WITH MANUFACTURER.			
20)	AS REQUIRED	CONDUIT FROM "MP" TO "A2" (S), SIZED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM		
21)	1-1/2"ø	CONDUIT FROM "A2" (S) TO "DC" AND "DC" TO "S1".	MAX. CONDUIT LENGTH		
(22)	1-1/2 " ø	CONDUIT FROM "S" TO "B".	MAX. CONDUIT LENGTH		
			92'-0"		

ELECTRICAL NOTES

1) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA-70), O.S.H.A. REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF CITY COUNTY, STATE AND FEDERAL AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY TO ANSI, IEEE AND NEMA STANDARDS. WHERE APPLICABLE, PROVIDE ONLY MATERIALS AND PRODUCTS THAT ARE U.L. LISTED AND LABELED. CUSTOMER'S/CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF NECA STANDARD OF

2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT TO THE EXISTING STRUCTURE AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION OF EQUIPMENT. OR THE PERFORMANCE OF ANY WORK THAT MAY BE AFFECTED. DO NOT ALTER DRAWINGS, DIMENSIONS, OR SPECIFICATIONS IN ANY WAY WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SMS PROGRAM MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY SMS PROJÉCT MANAGER.

3) POWER SUPPLY SOURCE: POWER SUPPLIES FOR SIEMENS MEDICAL SOLUTIONS EQUIPMENT SHALL BE DEDICATED SERVICES KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING AND EQUIPMENT, SUCH AS: ELEVATORS, GENERATORS, PUMPS, HVAC SYSTEMS, ETC. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER/UTILITY COMPANY FIELD REPRESENTATIVE.

4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SIEMENS MEDICAL SOLUTIONS BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES THE FOLLOWING BUT IS NOT LIMITED TO UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS. PULL BOXES, CONDUITS, CIRCUIT BREAKERS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.

5) RACEWAY AND CONDUIT NOTES: RACEWAY SHALL BE ELECTRIC METALLIC TUBING (EMT) FOR RIGID CONDUIT WORK, OR WHERE SHORT OFF-SET CONNECTIONS ARE REQUIRED LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED. FIELD BENDS SHALL NOT BE LESS THAN AS SHOWN IN TABLE 346-10 OF THE NATIONAL ELECTRICAL CODE. PROVIDE A JETLINE "SUPER TRUE TAPE", OR EQUIVALENT CONDUIT MEASURING TAPE FISH LINE IN ALL RACEWAYS AND CONDUITS.

CONDUIT BODIES SHALL NOT BE USED. WHERE A CONDUIT ENTERS A BOX, FITTING, OR OTHER ENCLOSURE, AN INSULATED THROAT CONNECTOR SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION. CONNECTORS SHALL BE DOUBLE SET SCREW TYPE, STEEL CONCRETE TIGHT.

KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES OR STEAM AND HOT WATER PIPES. INSTALL RACEWAY RUNS ABOVE WATER AND STEAM PIPES PROVIDED THAT CABLE RUN DISTANCES ARE MAINTAINED. USE TEMPORARY CLOSURES TO PREVENT FOREIGN MATTER FROM ENTERING RACEWAY.

CONDUIT RUNS ARE SHOWN SCHEMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS MEDICAL SYSTEMS CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS.

PROVIDE ENCLOSED METAL RACEWAY SYSTEM (WIRE DUCT) WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT (FOR POWER AND SIEMENS MEDICAL SOLUTIONS CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. FOR UL CERTIFIED SYSTEMS, THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE U SYSTEM INVESTIGATION OF THIS EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS, AS THEY CAN BE IN THE SAME RACEWAY.

PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF OPENINGS TO BE CUT IN FIELD ARE TO BE COORDINATED WITH SIEMENS PROJECT MANAGER. ELECTRICAL PULL BOXES AND RACEWAY COVERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESSIBILITY FOR INSTALLATION AND MAINTENANCE. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS.

6) WIRING: WIRING SHALL BE INSTALLED IN METAL RACEWAY, 600 VOLT CLASS, STRANDED TYPE THHN-THWN, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 75° C (165° F). SIZED AS INDICATED. THE CUSTOMER/CONTRACTOR SHALL LEAVE MINIMUM 10 FT. WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY SIEMENS MEDICAL SOLUTIONS.

7) IN ADDITION TO THE CIRCUIT BREAKER LOAD CURRENT RATING. CONSIDERATION MUST ALSO BE GIVEN TO SELECTING CIRCUIT BREAKERS THAT HAVE A HIGH ENOUGH SHORT CIRCUIT CURRENT WITHSTAND RATING TO SAFELY COORDINATE WITH THE POWER SYSTEM AVAILABLE SHORT CIRCUIT CURRENT. GENERALLY, WHEN THE 480 VOLT, 3 PHASE, X-RAY EQUIPMENT IS SERVED FROM A POWER SUPPLY SYSTEM THAT IS PROVIDED WITH A 500 KVA OR SMALLER TRANSFORMER, A STANDARD 14,000 RMS AMPERE WITHSTAND RATED CIRCUIT BREAKER WILL BE ADEQUATE. HOWEVER, IF THE POWER SUPPLY SYSTEM TRANSFORMER IS LARGER THAN 500 KVA, THEN THE CIRCUIT BREAKERS HAVING A SHORT CIRCUIT WITHSTAND RATING GREATER THAN 14,000 RMS AMPERES MAY BE REQUIRED,

POWER QUALITY

POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IT IS IN THE CUSTOMER'S INTEREST THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE EQUIPMENT POWER SUPPLY COMPLIES WITH THE SIEMENS SPECIFICATIONS.

> DEFINITION FLAS 03/11/1′

SIEMENS

FINISHED	ROOM	HEIGHT
FOR CT GANTRY ONLY	MINIMI	IM 7'-2 5/8"

CAREVISION MONITOR/CEILING MOUNT MIN. 8'-7 1/2" MAX. 11'-2 5/8"

-101RB VERSION DATED 08/31 09/22/1 PPROVED BY CUSTOMER FOR FINA FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION

-ISSUE BLOCK-

PALO ALTO 640 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 - SOMATOM DEFINITION FLASH THE USE OR REPRODUCTION OF PROJECT #: TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 1101626 RESULT IN PROSECUTION UNDER

9/22/1

CT MANAGER: ROBERT SANDERS (707) 246-0670

| REF. #: | 1-17EHEY

FAX: (707) 552-7923 EMAIL: Robert, Sanders @siemens, com

AS NOTED

J. DRAMIS CHECKED:

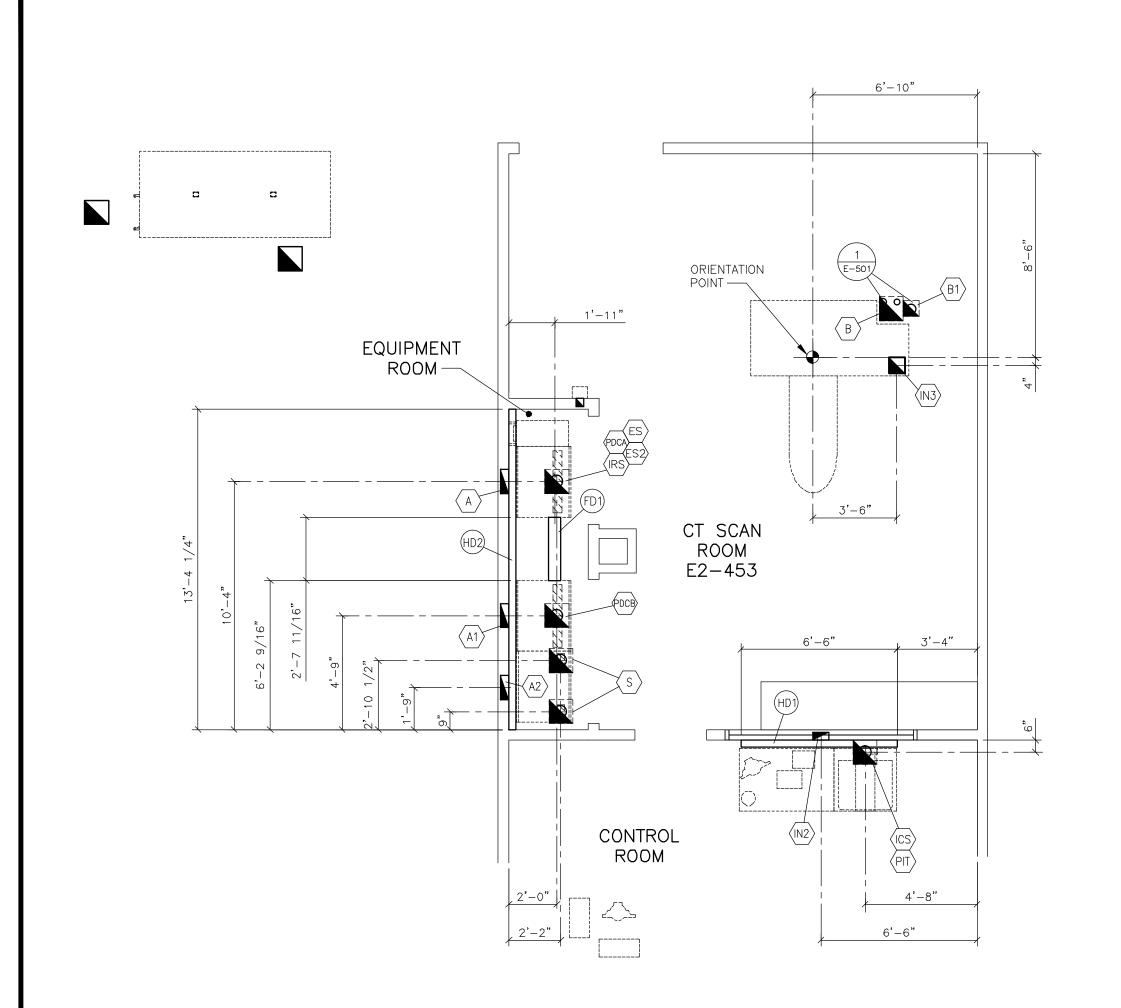
ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION

PHYSICIST TO SPECIFY RADIATION PROTECTION.



_	SIEMENS SUPPLIED CABLES						
FROM	VIA	ТО	DESCRIPTION	REMARKS			
PDCA	11	ICS/PIT	POWER CABLE AND DATA CABLE	MAXIMUM LENGTH 82'-0"			
PDCA	HD2	IRS	POWER CABLE AND PROTECTIVE CONDUCTOR CABLE	MAXIMUM LENGTH 82'-0"			
PDCA	FD1	PDCB	POWER CABLE	MAXIMUM LENGTH 11'-0"			
PDCA	12	В	POWER CABLE AND DATA CABLE	MAXIMUM LENGTH 82'-0"			
PDCB	13 AND 14	В	POWER CABLE AND DATA CABLE	MAXIMUM LENGTH 82'-0"			
В	15	ICS/PIT	CONTROL CABLE	MAXIMUM LENGTH 82'-0"			
В	16	IRS	DATA CABLE	MAXIMUM LENGTH 82'-0"			
S	17	B1	WATER HOSES	MAXIMUM LENGTH 96'-0"			
В1	18	DRAIN	CONDENSATION HOSE	MAXIMUM LENGTH 32'-9"			
IN2	19	IN3	INJECTOR CABLE	STANDARD LENGTH 75'-0"			
S	A2,21,DC,21	S1	POWER CABLE AND CONTROL CABLE	MAXIMUM LENGTH 131'-0"			
S	22	В	DATA CABLE	MAXIMUM LENGTH 98'-0"			
S	23	S2	WATER HOSES	MAXIMUM LENGTH 119'-0"			

SYMBOLS					
	ALL MAY NOT APPLY				
	CAUTION OR WARNING				
	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR				
	OPENING IN RACEWAY OR TRENCHDUCT				
	PULLBOX IN (FLOOR/WALL/CEILING)				
	OPENING IN ACCESS FLOORING				
\otimes	WARNING LIGHT (X—RAY ON)				
DS	DOOR SAFETY SWITCH				
Н	(EPO) EMERGENCY POWER OFF BUTTON				
	TRENCHDUCT				
	CEILING DUCT				
	UNDER FLOOR DUCT				
	VERTICAL DUCT				
>	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROGRAM MANAGER).				
	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.				

ELECTRICAL DIMENSION PLAN

SCALE: 1/4" = 1'-0"

PROJECT MANAGER: ROBERT SANDERS TEL: (707) 246-0670 VMAIL: EXT: FAX: (707) 552-7923 EMAIL: Robert.Sanders@siemens.com SIEMENS FINISHED ROOM HEIGHT VA PALO ALTO 640 FOR CT GANTRY ONLY MINIMUM 7'-2 5/8" 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 — SOMATOM DEFINITION FLASH CAREVISION MONITOR/CEILING MOUNT MIN. 8'-7 1/2" MAX. 11'-2 5/8" THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. PROJECT #: 1101626 R-101RB VERSION DATED 08/31/11 APPROVED BY CUSTOMER FOR FINALS **∑** 09/22/11 ALL RIGHTS ARE RESERVED. -ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. DATE DESCRIPTION

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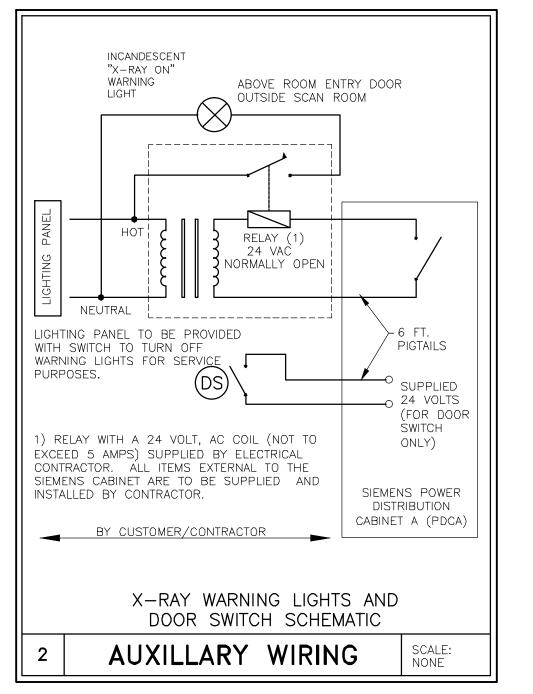
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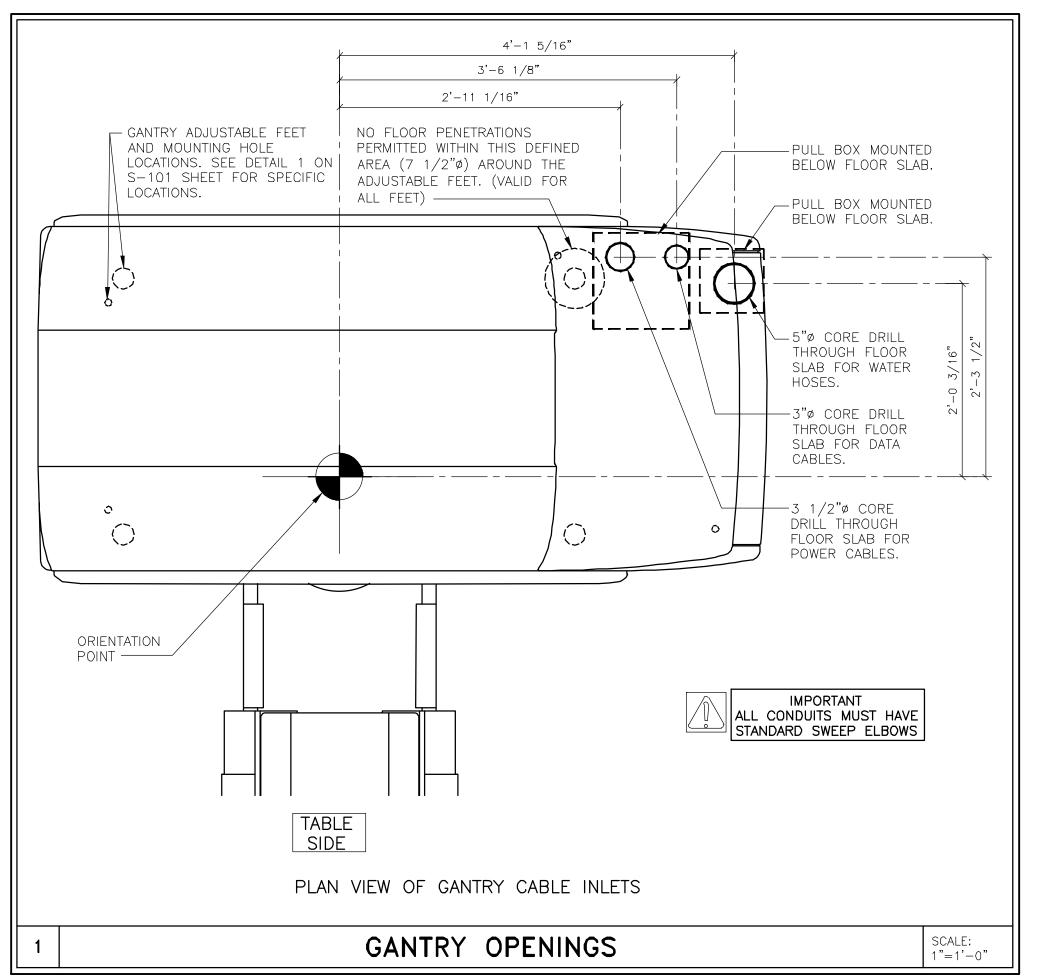
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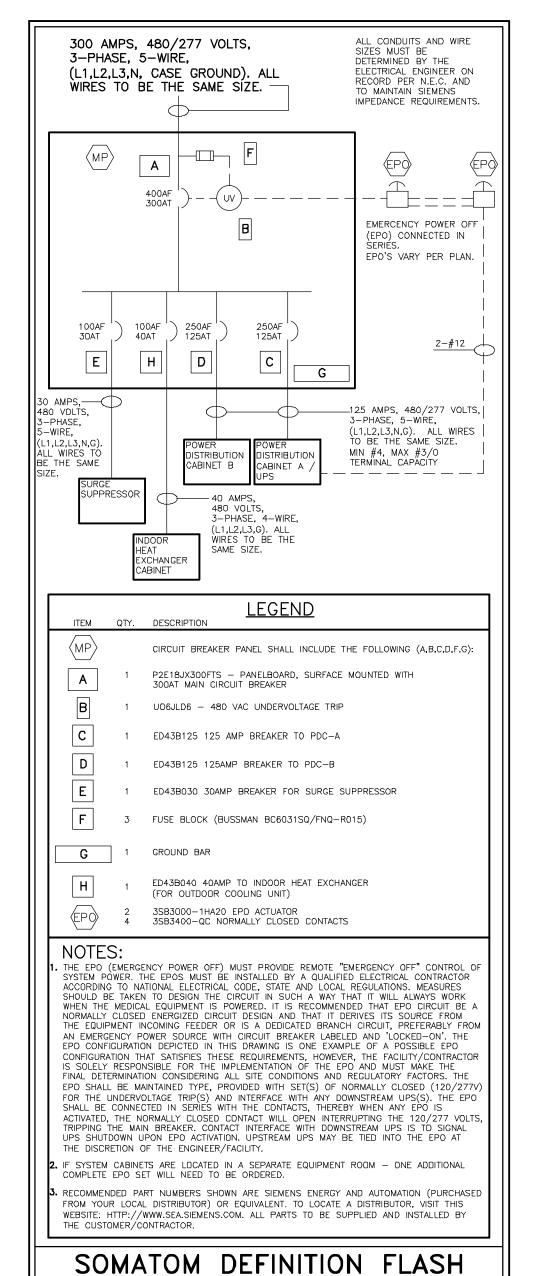
CALE: AS NOTED -ISSUE BLOCK-

J. DRAMIS REF. #: 1-17EHEY CHECKED: 9/22/11

DEFINITION FLASH 03/11/11







POWER DIAGRAM

POWER REQUIREMENTS POWER SYSTEM LINE CIRCUIT LINE CIRCUIT VOLTAGE CONSUMPTIO IMPEDANCE | BREAKERS | BREAKER | (KVA) VOLTS) (AMPS) (AMPS) $(m\Omega)$ Зø ≤ 65 300 (2) 125 EFINITION 480±10% BELOW POWER FACTOR 0.85 OR HIGHER REQUIRED. POWER CONSUMPTION (WITH STANDARD WATER/WATER HEAT EXCHANGER) OPERATING FOR 2 SEC - 283 kVA OPERATING FOR 100 SEC - 85 kVA SYSTEM ON (STAND-BY) - 6 kVA SYSTEM ON (COMP ON) - 3 kVA GANTRY OFF (EVA ON) — 1 kVA POWER CONSUMPTION (WITH OPTIONAL WATER/AIR SPLIT COOLING SYSTEM) OPERATING FOR 2 SEC - 293 kVA OPERATING FOR 100 SEC - 95 kVA SYSTEM ON (STAND-BY) - 16 kVA SYSTEM ON (COMP ON) - 3 kVA GANTRY OFF (EVA ON) - 1 kVA F AN ON-SITE PRE-TRANSFORMER IS REQUIRED, IT MUST BE A MIN. OF 340 kVA. ALL STANDARD COMPONENTS AND ADD-ONS ARE SUPPLIED VIA HE POWER DISTRIBUTION SYSTEM. DO NOT CONNECT NON-SIEMENS COMPONENTS SUCH AS LASER CAMERAS OR FILM PROCESSORS TO THE SIEMENS POWER DISTRIBUTION SYSTEM (PDS). THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON. TO ENSURE SATISFACTORY SYSTEM OPERATION THE PDS MUST HAVE A DEDICATED PROTECTIVE GROUND CONDUCTOR. **GROUNDING NOTES** EQUIPMENT GROUND CONDUCTOR TO COMPLY WITH THE FOLLOWING: 1) SIZED EQUIVALENT TO THE PHASE CONDUCTORS (FULL SIZED GROUND). 2) DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS EQUIPMENT. 3) RUN IN THE SAME CONDUIT, TROUGH OR RACEWAY AS THE PHASE CONDUCTORS. 4) CONTINUOUS, WITH NO BREAKS OR USE OF CONDUIT,

CHASSIS OR EARTH AS THE SOLE GROUNDING PATH.

6) MINIMIZE CONNECTIONS OR TERMINALS TO ENSURE CONTINUITY OVER THE LIFE OF THE INSTALLATION. 7) AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS

WITH THE NEC REQUIREMENTS.

IMAGING EQUIPMENT.

5) BONDED TO CHASSIS AND/OR CONDUIT IN ACCORDANCE

ACCEPTABLE TO HAVE <500mA DURING OPERATION OF THE

8) THERE MAY BE SOME APPLICATIONS WHICH REQUIRE AN

DEFINITION FLASH 03/11/11 SIEMENS FAX: (707) 552-7923 EMAIL: Robert.Sanders@siemens.com VA PALO ALTO 640 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 - SOMATOM DEFINITION FLASH THE USE OR REPRODUCTION OF PROJECT #: THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 1101626 -101RB VERSION DATED 08/31 RESULT IN PROSECUTION UNDER 09/22/1 PPROVED BY CUSTOMER FOR FINA FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION J. DRAMIS REF. #: 1-17EHEY CHECKED: -ISSUE BLOCK-9/22/1

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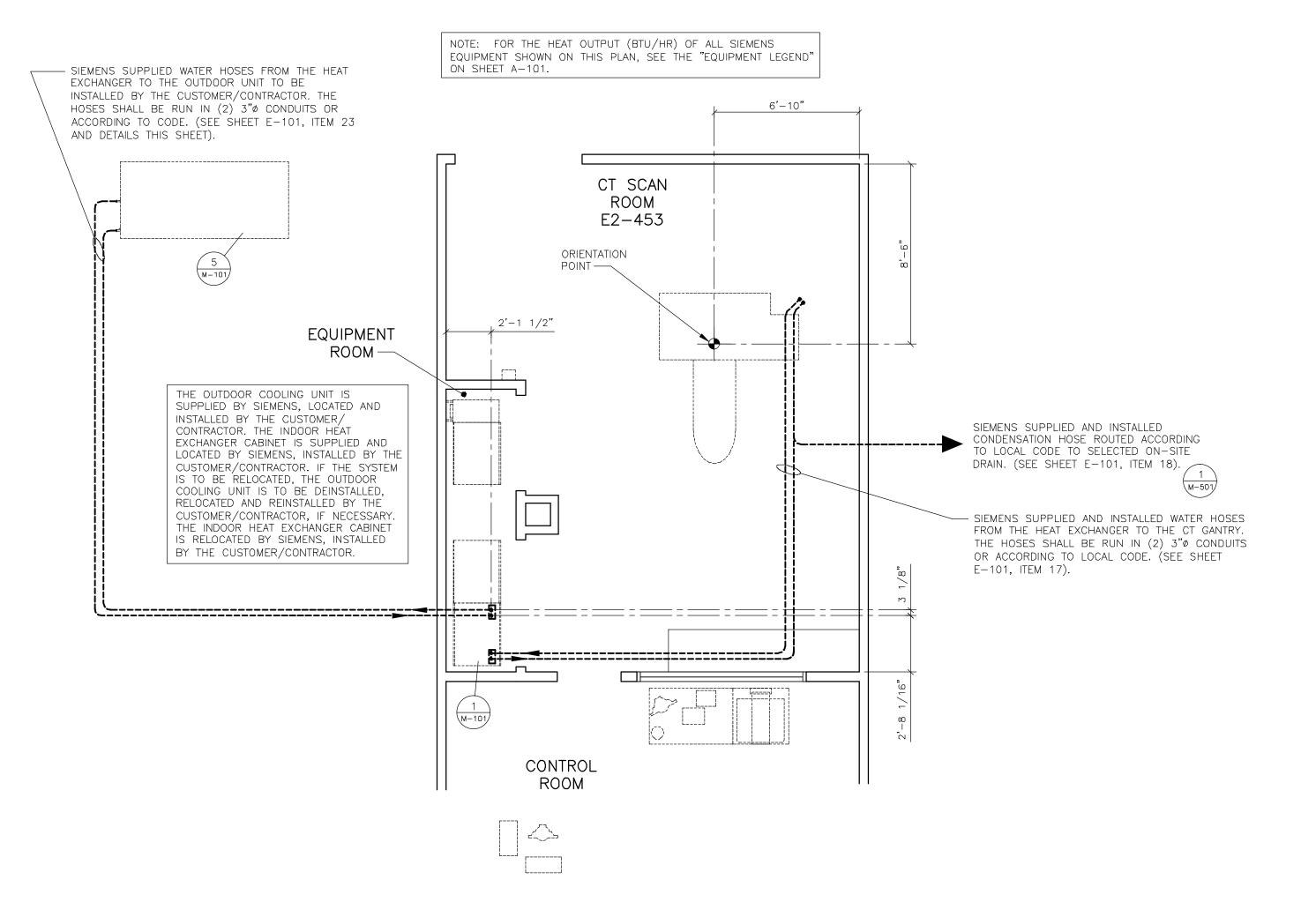
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AS NOTED



7'-11 1/2"

TOP VIEW

— CABLE

CONNECTION BOX

- WEATHER

PROTECTION

-COOLING FAN

(EXHAUST)

WATER INLET

WATER INLET

& RETURN-

3'-11 1/4"

MIN. SERVICE CLEARANCE

& RETURN —

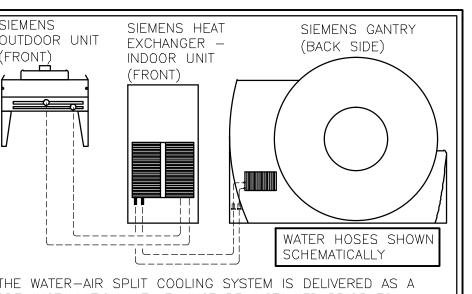
7 5/8" 7 5/8" 3 7/8" 3 7/8" 7 1/8" 7 1/8" -OPENING IN CABINET BASE FOR ROUTING HOSES AND CABLES TOP VIEW - WATER INLET FROM OUTDOOR UNIT (PRIMARY CIRCUIT) WATER RETURN FROM GANTRY - WATER RETURN (SECONDARY TO OUTDOOR COOLING UNIT (PRIMARY CIRCUIT) — CIRCUIT) WATER INLET TO GANTRY SECONDARY COOLING CIRCUIT) — 2'-11 3/8" FRONT VIEW CONNECTION DETAILS HEAT EXCHANGER

CONTRACTOR) ONLY IF U COPPER PIPÉ IS USED WITH WATER HOSES. TO IEMENS BE CONNECTED TO LEXIBLE SIEMENS SUPPLIED WATER — FITTING KIT (ORDERED HOSES INSTALLED BY THE \sim CUSTOMER/CONTRACTOR. \sim **ENVIRONMENTAL REQUIREMENTS** WATER HOSES SHOWN SCHEMATICALLY CONTRACTOR. CHILLED WATER HOSES (PRIMARY LOOP)

LENGTH ONLY: 119 FEET. A 1 1/4"ø SUPPLY AND RETURN COPPER PIPE CAN BE USED INSTEAD OF THE SIEMENS WATER HOSES, HOWEVER THE SUPPLIED WATER HOSES MUST BE CUT AND USED TO CONNECT THE SIEMENS COMPONENTS TO THE COPPER PIPE. THE LENGTH MAY BE EXTENDED FROM 119 FEET UP TO 164 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED 1 1/4" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES OR FROM 119 FEET UP TO 196 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED 2" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES. CUSTOMER/CONTRACTOR TO SUPPLY AND INSTALL FITTINGS TO MATCH THE SELECTED PIPE SIZE. CUSTOMER/CONTRACTOR TO INSULATE WITH 1/2" ARMAFLEX INSULATION, INCLUDING FLEX HOSES.

IF THE SIEMENS WATER HOSES ARE EXTENDED (>119 FEET), THE LINE VOLTAGE/CONTROL CABLE THAT RUNS FROM THE HEAT EXCHANGER CABINÉT TO THE OUTDOOR UNIT MUST ALSO BE EXTENDED. THESE EXTENDED CABLES ARE AVAILABLE THROUGH

PRIMARY CIRCUIT WATER TEMPERATURE RANGE: -13° TO 136° -13° TO 122° AIR INTAKE TEMPERATURE RANGE: RELATIVE HUMIDITY: 0 - 100%BTU/HR TO AIR (EXHAUST): 129,662 PRIMARY CIRCUIT SCALE: NONE



PRE-INSTALLATION KIT. IT MUST BE INSTALLED PRIOR TO DELIVERY OF THE SYSTEM BY THE CUSTOMER/CONTRACTOR. THE FOLLOWING IS INCLUDED IN THE PRE-INSTALLATION KIT: DUTDOOR COOLING UNIT, INDOOR HEAT EXCHANGER CABINET, HOSES AND SYSTEM CABLES, 31.7 GALLONS ANTI-FREEZE MIXTURE (WATER-GLYCOL), CONNECTION KIT AND CONNECTION SCHEMATIC.

THE COOLING CIRCUIT BETWEEN THE OUTDOOR UNIT AND THE INDOOR UNIT IS THE PRIMARY COOLING CIRCUIT. THE COOLING CIRCUIT BETWEEN THE GANTRY AND THE INDOOR COOLING UNIT S THE SECONDARY COOLING CIRCUIT. THE PRIMARY CIRCUIT IS TO BE FILLED BY THE CUSTOMER/CONTRACTOR. THE STATIC FILI PRESSURE MUST BE SET TO 29 PSI ±3 PSI AFTER FILLING. THE PUMP IN THE PRIMARY COOLING CIRCUIT GENERATES AN)PERATING PRESSURE OF $29\!-\!73$ PSI AT THE PUMP OUTLET. THE PUMP IN THE SECONDARY COOLING CIRCUIT GENERATES AN OPERATING PRESSURE OF 58-73 PSI AT THE PUMP OUTLET. HE WATER VOLUME IN THE PRIMARY COOLING CIRCUIT IS APPROX. 23.8 GALLONS. THE WATER VOLUME IN THE

SECONDARY COOLING CIRCUIT IS APPROX. 13.2 GALLONS, NOT NCLUDING ANY HOSE EXTENSIONS, ANTI-FREEZE MAY BE ADDED TO THE PRIMARY COOLING CIRCUIT ONLY, BY THE TECHNICIAN WHO WILL START THE SYSTEM. THE PERMITTED MIXING RATIO IS 34:66 (GLYCOL:WATER) FOR TEMPERATURE RANGE -13° TO 122° 1.7 GALLONS OF ANTI-FREEZE MIXTURE (WATER-GLYCOL) IS INCLUDED IN DELIVERY. WATER CANNOT BE ADDED TO THIS

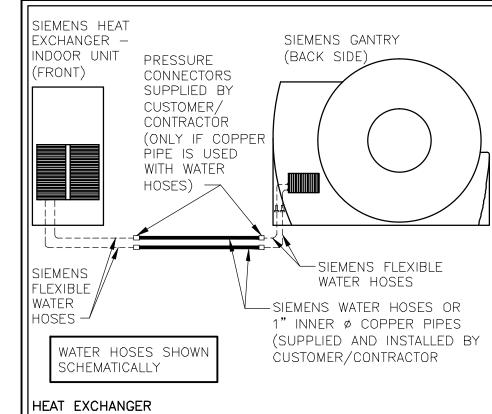
A 3/4" HOSE BIB AND A WATER DRAIN (EX. SINK) MUST BE AVAILABLE IN THE EQUIPMENT ROOM OR IN THE SCAN ROOM NEAR THE HEAT EXCHANGER FOR FILLING THE COOLING

COOLING DIAGRAM

SIEMENS OUTDOOR SIEMENS HEAT UNIT (FRONT) EXCHANGER -(1 1/4" MALE NPT INDOOR UNIT SUPPLIED AND INSTALLED (FRONT) BY CUSTOMER/ WATER HOSES SIEMENS WATER HOSES OR 1 1/4" INNER Ø COPPER PIPES (SUPPLIED AND INSTALLED BY CUSTOMER/

THE CHILLED WATER HOSES ARE SUPPLIED IN THE FOLLOWING

ADDITIONAL ANTI-FREEZE MUST ALSO BE SUPPLIED BY THE CUSTOMER/CONTRACTOR FOR HOSE EXTENSION.



DUE TO THE HIGH NOISE (<65 dB), IT IS RECOMMENDED TO INSTALL THE HEAT EXCHANGER IN A SEPARATE ROOM. THE HEAT EXCHANGER MAY BE INSTALLED TO THE LEFT OR RIGHT OF PDCA/PDCB OR INDEPENDENT OF THE PDC CABINETS.

CHILLED WATER HOSES (SECONDARY COOLING CIRCUIT)

THE CHILLED WATER HOSES HAVE TO BE ORDERED SEPARATELY AND WILL BE SUPPLIED IN THE FOLLOWING THREE LENGTHS ONLY: 31 FEET, 64 FEET AND 96 FEET. A 1"Ø SUPPLY AND RETURN COPPER PIPE CAN BE USED INSTEAD OF THE SIEMENS WATER HOSES, HOWEVER THE SUPPLIED WATER HOSES MUST BE CUT AND USED TO CONNECT THE SIEMENS COMPONENTS TO HE COPPER PIPE. THE LENGTH MAY BE EXTENDED FROM 96 FEET UP TO 164 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED 'INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES OR FROM 96 FEET UP TO 196 FEET WITH CUSTOMER/ CONTRACTOR SUPPLIED 2" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES. CUSTOMER/CONTRACTOR TO SUPPLY AND INSTALL FITTINGS TO MATCH THE SELECTED PIPE SIZE. CUSTOMER/CONTRACTOR TO INSULATE WITH 1/2" ARMAFLEX INSULATION, INCLUDING FLEX HOSES. THE OUTER DIAMETER OF THE WATER HOSES IS 1-3/8". INSULATED WATER HOSES ARE AVAILABLE THROUGH SIEMENS.

THE SIEMENS WATER HOSES ARE EXTENDED (>96 FEET), THE DATA CABLE THAT RUNS FROM THE HEAT EXCHANGER CABINET O THE GANTRY MUST ALSO BE EXTENDED, THESE EXTENDED CABLES ARE AVAILABLE THROUGH SIEMENS.

SECONDARY CIRCUIT WATER TEMPERATURE:

NOMINAL FLOW RATE:

1189 GALLONS/HR (WITH 98 FT. HOSE)

SECONDARY CIRCUIT

TECHNICAL DATA TEMPERATURE RANGE OF WATER -13°F TO 136°F MAXIMUM (PRIMARY COOLING CIRCUIT 50°F (SECONDARY COOLING CIRCUIT) AMBIENT AIR TEMPERATURE RANGE -13°F TO 122°F MAXIMUM AIR INTAKE) FILTRATION 250 MICRONS 129,662 BTU/HR TO AIR (EXHAUST)

WATER QUALITY

HE WATER MUST BE OF DRINKABLE QUALITY. IF THE WATER IS OF LESSER QUALITY A FILTER WITH A MESH OF 250 MICRONS REQUIRED IN THE PRIMARY INLET SUPPLIED BY THE CUSTOMER/ CONTRACTOR.

ANTI-FREEZE

ANTI-FREEZE MAY BE ADDED TO THE PRIMARY COOLING CIRCUIT ONLY, BY THE TECHNICIAN WHO WILL START THE SYSTEM. THE PERMITTED MIXING RATIO IS 34:66 (GLYCOL:WATER) FOR FEMPERATURE RANGE -13° TO 122°F. 31.7 GALLÓNS OF ANTI-FREEZE MIXTURE (WATER-GLYCOL) IS INCLUDED IN DELIVERY. WATER CANNOT BE ADDED TO THIS MIXTURE.

> DEFINITION FLASH 03/11/11

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY MINIMUM 7'-2 5/8" CAREVISION MONITOR/CEILING MOUNT | MIN. 8'-7 1/2" MAX. 11'-2 5/8

0 10 20 30 40 50 60 707580 90 100

TEMPERATURE, HUMIDITY, DUST, AIR CONTAMINATION:

THE MAXIMUM TEMPERATURE GRADIENT IS 6 K/HR.

CLIMATE RANGE.

PARTICLES >10 um.

REFER TO THE CLIMATOGRAM ABOVE FOR THE PERMITTED

THE ENVIRONMENTAL REQUIREMENTS FOR THE OPERATOR AND

20-75% AND A BAROMETRIC PRESSURE OF 10.2 TO 15.4 PSI.

EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION

THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION

SYSTEM OF THE FILTER CLASS MERV 8 TO FILTER DUST

BY HYDROGEN SULPHIDE, EVEN IN SMALL AMOUNTS. IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS

HAVE TO BE TAKEN. E.G., EXTRACTOR FANS, SIPHON.

MODIFICATION OF VENTILATION INTAKE, ETC.

THE SYSTEM IS 64 TO 82 °F WITH A RELATIVE HUMIDITY OF

% RELATIVE HUMIDITY

SIEMENS FAX: (707) 552-7923 EMAIL: Robert, Sanders@siemens,com PALO ALTO 640 3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304 CT SUITE E2-453 - SOMATOM DEFINITION FLASH THE USE OR REPRODUCTION OF PROJECT #: TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 1101626 101RB VERSION DATED 08/3 RESULT IN PROSECUTION UNDER PPROVED BY CUSTOMER FOR FINA FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION J. DRAMIS 1 REF. #: 17EHEY HECKED: -ISSUE BLOCK-ÀS NOTED 9/22/1

ATTENTION:

MECHANICAL PLAN

RAIN, SNOW, ETC..

BY THE CUSTOMER/CONTRACTOR.

THE OUTDOOR UNIT MUST BE LOCATED AND INSTALLED BY

PRE-INSTALLATION KIT THAT MUST BE INSTALLED PRIOR TO

THE CUSTOMER/CONTRACTOR. THIS UNIT IS PART OF A

CONDITIONED ROOM IF AN OUTSIDE INSTALLATION IS NOT

POSSIBLE. THE MOUNTING SURFACE MUST BE LEVEL. THE

HEIGHT DIFFERENCE BETWEEN THE INDOOR UNIT AND THE

RECOMMENDED THAT THE UNIT BE PROTECTED AGAINST

THE OUTDOOR UNIT MUST ALWAYS BE BOLTED TO THE

MATERIALS FOR BOLTING MUST BE SUPPLIED BY THE

CUSTOMER/CONTRACTOR. MOUNTING TO A WALL IS ALSO

SUPPORT MUST BE DESIGNED, SUPPLIED AND INSTALLED

INTAKE

3'-4 13/16"

3'-7 5/16"

FRONT VIEW

- WATER INLET

2'-3 9/16"

MIN. SERVICE

CLEARANCE

& RETURN

POSSIBLE. MATERIALS FOR MOUNTING AND STRUCTURAL

FLOOR THROUGH THE DRILL HOLES IN THE FRAME.

THE DELIVERY OF THE SYSTEM. IT MAY BE LOCATED

OUTSIDE ON THE ROOF OR GROUND, OR IN AN AIR

OUTDOOR UNIT MUST NOT EXCEED $\pm 49'-0"$. IT IS

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SIDE VIEW

OUTDOOR COOLING UNIT MOUNTING DETAIL

7'-2 5/16"

7'-11 1/2"

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WALL MOUNTING - NO SCALE

NOTE: SPACE FOR

BE MAINTAINED

OUTDOOR

COOLING

SERVICE MUST ALSO

SCALE: 1/4" = 1'-0"

- ON-SITE

SUPPORT

SCALE:

WEATHER

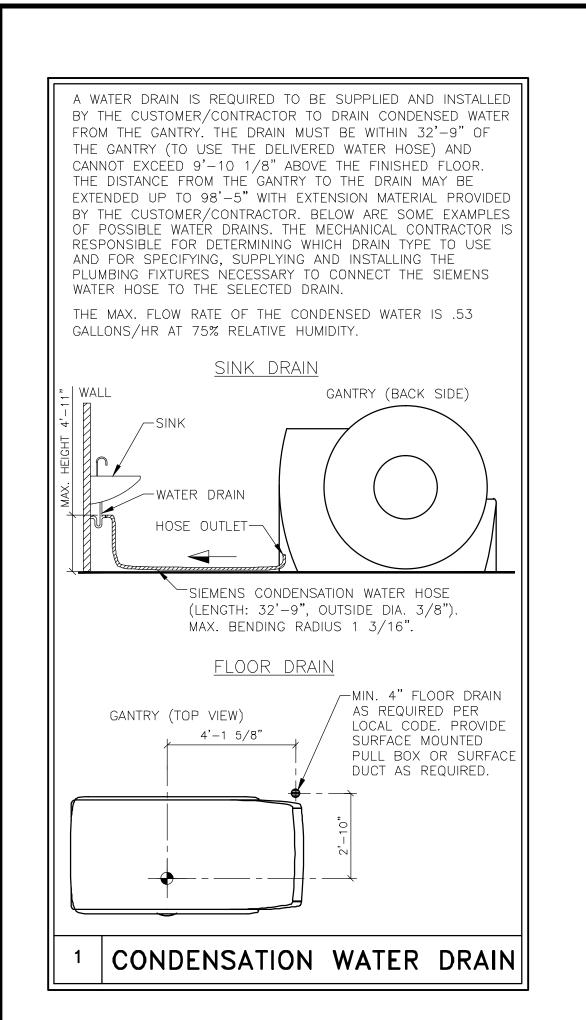
PROTECTION

(RECOMMENDED)

PHYSICIST TO SPECIFY RADIATION PROTECTION.

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PROJECT MANAGER: ROBERT SANDERS
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SIEMENS

SIEMENS

3801 MIRANDA AVENUE (04D), PALO ALTO, CA 94304
CT SUITE E2-453 - SOMATOM DEFINITION FLASH

THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.

1 09/22/11 R-101RB VERSION DATED 08/31/11 APPROVED BY CUSTOMER FOR FINALS

THE USE OR REPRODUCTION OF THE LAW.

1 1 0 1626

THOUSE OF THE LAW.

1 1 0 1626

ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

-IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.
 THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

DATE DESCRIPTION ALL RIGHTS ARE R

-ISSUE BLOCK—

SCALE: NOTED

REF.

SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.

ALL RIGHTS ARE RESERVED.

AS NOTED

REF. #: 9/22/11

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SHEET 9 OF 9 DRAWN BY: J. DRAMIS

CHECKED: OTHER CHECKED: P/22/11

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DEFINITION FLASH 03/11/11